

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, June 05, 2014 12:22 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ
Subject: FW: Survey of SZ-North wells

Scott and Brad,

Amy will be taking the lead at Northrop for most of the communications with UTC. I think you find her very straightforward.

We concurred with their survey program.

Ray

From: Sullivan, Amy (CO) [mailto:Amy.Sullivan@ngc.com]
Sent: Thursday, June 05, 2014 11:34 AM
To: Parsons, Scott; Bradley.Barquest@utc.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com; Zych, Michele; Matthew Nelson
Subject: RE: Survey of SZ-North wells

Thanks, Scott. We appreciate the heads-up. Since Brad is the only one that can grant us access, we'll go ahead and push the survey to next week after he returns.

Amy

From: Parsons, Scott [mailto:Scott.Parsons@tetratech.com]
Sent: Thursday, June 05, 2014 11:25 AM
To: Sullivan, Amy (CO); Bradley.Barquest@utc.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: EXT :RE: Survey of SZ-North wells

Amy,

I think Brad left for the backwoods of Northern Minnesota this morning will be out of cell phone/internet range for the weekend. He is the person that would have to grant access on UTC's behalf.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetratech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]
Sent: Thursday, June 05, 2014 10:23 AM
To: Bradley.Barquest@utc.com; Parsons, Scott
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: Survey of SZ-North wells

Brad and Scott,

I wanted to introduce myself as Northrop Grumman's new representative for its PVOU remediation projects; I believe we met previously, but wanted to provide you with my contact information below.

Northrop Grumman is planning to be in the field this week surveying a few of its newly installed groundwater monitoring wells, specifically PMW-2A, -B, and -C at Temple and Glenshaw, and PMW-5A and -B on Giordinio Street near Evanwood. The attached map shows their locations. We'd also like to survey a few of the SZ-North wells immediately adjacent to these wells to confirm existing survey data and to accurately determine vertical head differences from the SZ and IZ at these locations. The SZ-North wells we would like to include in our survey include MW6-11, MW18S, MW18D, and S7.

Please advise if Northrop Grumman can access these wells.

Don't hesitate to let me know if there are any questions and I can coordinate a quick call; otherwise please email me with your decision.

Thank you,
Amy

Amy B. Sullivan



Manager, Environmental, Health & Safety
101 Continental Blvd.
El Segundo, CA 90245
Office: 310-332-0083
Mobile: 310-600-4571 (preferred)

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, June 05, 2014 3:49 PM
To: Barquest, Bradley A UTCHQ
Subject: FW: Dates for RWQCB June 3?

Brad,

Received your VM. Let's meet on hold a conference call on June 23 or 24 in Irvine to discuss the revised tech memo. Based on our comments, you may need to revise your TM and begin drafting a presentation for the RWQCB. We should then meet on key messages before going over to Water Board the week July 28.

Ray

From: Chavira, Raymond
Sent: Wednesday, May 07, 2014 3:45 PM
To: 'Barquest, Bradley A UTCHQ'
Subject: RE: Dates for RWQCB June 3?

Brad,

I would like to set a tentative date of June 24th to meet with Water Board. We can hold preliminary discussions the week of June 2 (except June 4) and including in person meeting either Monday afternoon June 23rd.

I would like to have this settled so that we can commence with field work in July 2014.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Monday, May 05, 2014 6:34 PM
To: Chavira, Raymond
Subject: RE: Dates for RWQCB June 3?

Ray,

We are in the process of completing a 6-month look-ahead for Puente Valley Operable Unit (PVOU) Shallow Zone North (SZN) activities as you requested, and will be submitting that to you on, or before Friday May 9, 2014. A key activity contained in the 6-month look-ahead schedule is the receipt of the baseline water quality data and the associated data validation, data statistical evaluation and preparation of a summary Technical Memorandum (TM) that will be presented to the Los Angeles Regional Water Quality Control Board (LARWQCB).

That said, we believe we will have all laboratory baseline water quality sampling data in our receipt by May 12, 2014. With receipt of the data we will begin concurrent data validation, data statistical evaluation, and TM preparation. It is expected to take approximately three weeks to complete these activities, and that we will submit a draft TM to the United States Environmental Protection Agency (USEPA) by June 2, 2014.

Given this timeframe, I think that a meeting with the LARWQCB on June 2nd or 3rd, 2014 would be premature. I believe it would be prudent to schedule the meeting for late June or early July, 2014 to allow USEPA sufficient time to review and comment on the TM, and for at least two technical conference calls between USEPA and United Technologies Corporation (UTC) and their respective technical representatives to fully discuss the data and prepare for the LARWQCB meeting. This approach will best serve the project schedule by mitigating the risk of potential further delays due a lack of preparation prior to meeting with LARWQCB to discuss the baseline water quality data and any potential issues (if any) the data may present with respect to utilizing the 13811 Amar Road, La Puente, California location for the long-term Interim Record of Decision (IROD) Operational and Functional reinjection of treated extracted PVOU SZN groundwater.

This technical approach and associated timelines are consistent with previous discussions you and I have had, and I believe are also consistent with technical discussions our technical representatives have had as well.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, May 05, 2014 4:07 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] Dates for RWQCB June 3?

Brad,

You may be out of office but was hoping we could meet with Water Board on June 3rd. We (EPA and UTC) would pre meet on Monday afternoon June 2 or morning of June 3.

I hope we can have a the revised tech memo from all baseline sampling completed at least a week before to review and provide comments to UTC.

Let mw know if this can be accomplished before setting up a date with Water Board.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, June 09, 2014 8:42 AM
To: Chavira, Raymond
Subject: RE: Dates for RWQCB June 3?

Ray, that sounds like a good plan. We can work out the details later this week.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Thursday, June 05, 2014 5:49 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Dates for RWQCB June 3?

Brad,

Received your VM. Let's meet on hold a conference call on June 23 or 24 in Irvine to discuss the revised tech memo. Based on our comments, you may need to revise your TM and begin drafting a presentation for the RWQCB. We should then meet on key messages before going over to Water Board the week July 28.

Ray

From: Chavira, Raymond
Sent: Wednesday, May 07, 2014 3:45 PM
To: 'Barquest, Bradley A UTCHQ'
Subject: RE: Dates for RWQCB June 3?

Brad,

I would like to set a tentative date of June 24th to meet with Water Board. We can hold preliminary discussions the week of June 2 (except June 4) and including in person meeting either Monday afternoon June 23rd.

I would like to have this settled so that we can commence with field work in July 2014.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Monday, May 05, 2014 6:34 PM
To: Chavira, Raymond
Subject: RE: Dates for RWQCB June 3?

Ray,

We are in the process of completing a 6-month look-ahead for Puente Valley Operable Unit (PVOU) Shallow Zone North (SZN) activities as you requested, and will be submitting that to you on, or before Friday May 9, 2014. A key activity contained in the 6-month look-ahead schedule is the receipt of the baseline water quality data and the associated data validation, data statistical evaluation and preparation of a summary Technical Memorandum (TM) that will be presented to the Los Angeles Regional Water Quality Control Board (LARWQCB).

That said, we believe we will have all laboratory baseline water quality sampling data in our receipt by May 12, 2014. With receipt of the data we will begin concurrent data validation, data statistical evaluation, and TM preparation. It is expected to take approximately three weeks to complete these activities, and that we will submit a draft TM to the United States Environmental Protection Agency (USEPA) by June 2, 2014.

Given this timeframe, I think that a meeting with the LARWQCB on June 2nd or 3rd, 2014 would be premature. I believe it would be prudent to schedule the meeting for late June or early July, 2014 to allow USEPA sufficient time to review and comment on the TM, and for at least two technical conference calls between USEPA and United Technologies Corporation (UTC) and their respective technical representatives to fully discuss the data and prepare for the LARWQCB meeting. This approach will best serve the project schedule by mitigating the risk of potential further delays due a lack of preparation prior to meeting with LARWQCB to discuss the baseline water quality data and any potential issues (if any) the data may present with respect to utilizing the 13811 Amar Road, La Puente, California location for the long-term Interim Record of Decision (IROD) Operational and Functional reinjection of treated extracted PVOU SZN groundwater.

This technical approach and associated timelines are consistent with previous discussions you and I have had, and I believe are also consistent with technical discussions our technical representatives have had as well.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, May 05, 2014 4:07 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] Dates for RWQCB June 3?

Brad,

You may be out of office but was hoping we could meet with Water Board on June 3rd. We (EPA and UTC) would pre meet on Monday afternoon June 2 or morning of June 3.

I hope we can have a the revised tech memo from all baseline sampling completed at least a week before to review and provide comments to UTC.

Let mw know if this can be accomplished before setting up a date with Water Board.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901

(415) 947-4218

(415) 947-3528 fax

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Monday, June 09, 2014 1:59 PM
To: Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond;Kerang.Sun@CH2M.com;bradley.barquest@utc.com
Subject: PVOU well table

Hi Scott,

Can you please update the well table with the newly installed wells (the piezometer at Amar and MW8-1,2,3)? I can resend the table if you need.

Tom

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Monday, June 09, 2014 2:13 PM
To: Tom.Perina@CH2M.com
Cc: Chavira, Raymond;Kerang.Sun@CH2M.com;bradley.barquest@utc.com
Subject: RE: PVOU well table

Tom

Please resend the table. I am not sure which one you are referring to.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Monday, June 09, 2014 1:59 PM
To: Parsons, Scott
Cc: Chavira.Raymond@epa.gov; Kerang.Sun@CH2M.com; bradley.barquest@utc.com
Subject: PVOU well table

Hi Scott,

Can you please update the well table with the newly installed wells (the piezometer at Amar and MW8-1,2,3)? I can resend the table if you need.

Tom

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Tuesday, June 10, 2014 1:12 PM
To: Emma.Pulido@tetrattech.com; Scott.Parsons@tetrattech.com
Cc: Mike.Grigorieff@CH2M.com; Chavira, Raymond; KBurger@dtsc.ca.gov; bradley.barquest@utc.com; Kerang.Sun@CH2M.com; Dan@WQA.com
Subject: RE: Bi-Monthly Progress Report - April 2014 through May 2014

Emma or Scott,

On page 3, first bullet says "The Draft RD Workplan for PVOU SZ Eastern Plume Early Action (now PVOU SZ Phase 1 Interim Remedy) is 100% complete and is being reviewed by EPA."
When was this document sent?

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

From: Pulido, Emma [mailto:Emma.Pulido@tetrattech.com]
Sent: Friday, June 06, 2014 2:40 PM
To: Chavira.Raymond@epamail.epa.gov; Kate Burger (KBurger@dtsc.ca.gov); Bradley A Barquest (bradley.barquest@utc.com); Perina, Tom/RIV; Sun, Kerang/SCO; Dan Colby (dan@wqa.com)
Cc: Parsons, Scott
Subject: Bi-Monthly Progress Report - April 2014 through May 2014

Good afternoon,

Please see the attached Bi-Monthly Progress Report (reporting period: April 2014 through May 2014) per Scott Parsons' request. Hardcopies of the report were sent to the individuals designated to receive them based on the distribution list. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant
Direct: 949.809.5118 | Main: 949.809.5000 | Fax: 949.809.5010
emma.pulido@tetrattech.com

GeoTrans, Inc. | A Tetra Tech Company
17885 Von Karman Avenue, Suite 500 | Irvine, CA 92614 www.geotransinc.com | www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, June 17, 2014 9:27 AM
To: Barquest, Bradley A UTCHQ
Subject: FW: Survey of SZ-North wells

Brad,

NGC has accessed SZ wells in past without the formality. Why the change? I am out of office this week and will be back on the 23rd.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Wednesday, June 11, 2014 11:06 AM
To: Sullivan, Amy (CO); Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: RE: Survey of SZ-North wells

Amy, as discussed with Michelle Zych we should be able to accommodate Northrop Grumman's request to access the wells listed below for re-surveying.

In support of these activities I have asked UTC Legal to draft a simple Liability Release for those specific activities requested by Northrop Grumman. I will forward the Liability Release for your review and execution shortly.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Sullivan, Amy (CO) [mailto:Amy.Sullivan@ngc.com]
Sent: Thursday, June 05, 2014 12:23 PM
To: Barquest, Bradley A UTCHQ; Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: [External] Survey of SZ-North wells

Brad and Scott,

I wanted to introduce myself as Northrop Grumman's new representative for its PVOU remediation projects; I believe we met previously, but wanted to provide you with my contact information below.

Northrop Grumman is planning to be in the field this week surveying a few of its newly installed groundwater monitoring wells, specifically PMW-2A, -B, and -C at Temple and Glenshaw, and PMW-5A and -B on Giordino Street near Evanwood. The attached map shows their locations. We'd also like to survey a few of the SZ-North wells immediately adjacent to these wells to confirm existing survey data and to accurately determine vertical head differences from the SZ and IZ at these locations. The SZ-North wells we would like to include in our survey include MW6-11, MW18S, MW18D, and S7.

Please advise if Northrop Grumman can access these wells.

Don't hesitate to let me know if there are any questions and I can coordinate a quick call; otherwise please email me with your decision.

Thank you,
Amy

Amy B. Sullivan
NORTHROP GRUMMAN

Manager, Environmental, Health & Safety
101 Continental Blvd.
El Segundo, CA 90245
Office: 310-332-0083
Mobile: 310-600-4571 (preferred)

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 17, 2014 9:28 AM
To: Chavira, Raymond
Subject: Automatic reply: Survey of SZ-North wells

I will be out of the office Tuesday June 17 through Thursday June 19, 2014 and will have very limited telephone and e-mail access during that time.

Thank you

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Thursday, June 19, 2014 5:32 AM
To: Chavira, Raymond
Cc: Scott.Parsons@tetrattech.com;<Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com)
Subject: RE: Survey of SZ-North wells

Follow Up Flag: Follow up
Flag Status: Completed

We can discuss on the when you are back in your office

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, June 17, 2014 11:27 AM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Survey of SZ-North wells

Brad,

NGC has accessed SZ wells in past without the formality. Why the change? I am out of office this week and will be back on the 23rd.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 11, 2014 11:06 AM
To: Sullivan, Amy (CO); Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: RE: Survey of SZ-North wells

Amy, as discussed with Michelle Zych we should be able to accommodate Northrop Grumman's request to access the wells listed below for re-surveying.

In support of these activities I have asked UTC Legal to draft a simple Liability Release for those specific activities requested by Northrop Grumman. I will forward the Liability Release for your review and execution shortly.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]
Sent: Thursday, June 05, 2014 12:23 PM

To: Barquest, Bradley A UTCHO; Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: [External] Survey of SZ-North wells

Brad and Scott,

I wanted to introduce myself as Northrop Grumman's new representative for its PVOU remediation projects; I believe we met previously, but wanted to provide you with my contact information below.

Northrop Grumman is planning to be in the field this week surveying a few of its newly installed groundwater monitoring wells, specifically PMW-2A, -B, and -C at Temple and Glenshaw, and PMW-5A and -B on Giordinio Street near Evanwood. The attached map shows their locations. We'd also like to survey a few of the SZ-North wells immediately adjacent to these wells to confirm existing survey data and to accurately determine vertical head differences from the SZ and IZ at these locations. The SZ-North wells we would like to include in our survey include MW6-11, MW18S, MW18D, and S7.

Please advise if Northrop Grumman can access these wells.

Don't hesitate to let me know if there are any questions and I can coordinate a quick call; otherwise please email me with your decision.

Thank you,
Amy

Amy B. Sullivan
NORTHROP GRUMMAN

Manager, Environmental, Health & Safety
101 Continental Blvd.
El Segundo, CA 90245
Office: 310-332-0083
Mobile: 310-600-4571 (preferred)

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, June 23, 2014 12:14 PM
To: Chavira, Raymond;<Tom.Perina@CH2M.com>
(Tom.Perina@CH2M.com);Scott.Parsons@tetrattech.com
Subject: FW: Access Agreement to Survey of SZ-North wells

FYI, I see you were left off the cc list.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Brown, Elizabeth C. (Law) [<mailto:Elizabeth.C.Brown@ngc.com>]
Sent: Monday, June 23, 2014 9:24 AM
To: Platt, David UTC
Cc: Sullivan, Amy (CO); Barquest, Bradley A UTCHQ
Subject: [External] RE: Access Agreement to Survey of SZ-North wells

David,

Northrop Grumman routinely permits others to access our monitoring wells without any type of formal agreement and I believe that this has been the practice in the PVOU up until now. So it is not at all clear to me that such agreements are typical. We would be comfortable agreeing that, if our activities damaged the well, Northrop Grumman would repair the well. We would also be happy to provide information about the level of insurance our contractor/consultant has. I am unclear, however, why we would need to provide UTC with an indemnity. Moreover, whatever requirements you place on us now you can expect from us when UTC wants to access any of our wells. Finally, if UTC insists that we proceed along this path, I have never seen such an agreement. Perhaps you have an example you can share?

Elizabeth C. Brown

Corporate Counsel

Environmental, Health & Safety and Real Estate

Northrop Grumman Corporation

One Hornet Way

Mailstop 110/D4

El Segundo, CA 90245

Phone: (310) 331-6753

Fax: (310) 263-5365

Cell: (310) 989-1147

From: Platt, David UTC [<mailto:David.Platt@utc.com>]
Sent: Monday, June 23, 2014 6:20 AM
To: Sullivan, Amy (CO); Barquest, Bradley A UTCHQ
Cc: Brown, Elizabeth C. (Law)
Subject: EXT :RE: Access Agreement to Survey of SZ-North wells

I am aware that the wells are located in the public rights-of-way. In order to provide access to these wells, we need a simple agreement by which we are protected (e.g., insurance, indemnity) in the event that damage is caused or some other problem is created. Such an agreement is very typical under these types of circumstances. I am happy to discuss this. Thanks.

DP

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]

Sent: Friday, June 20, 2014 4:49 PM

To: Barquest, Bradley A UTCHQ

Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com; Platt, David UTC; Brown, Elizabeth C. (Law)

Subject: [External] RE: Access Agreement to Survey of SZ-North wells

Brad – after discussing UTC’s request for an Access Agreement / Liability Release Agreement with Northrop Grumman’s internal counsel, it was decided that a formal agreement is not necessary since the request pertains to UTC wells located in public right-of-ways. We’re not sure David Platt is aware of this, but it should alleviate any access concerns he may have had.

As you and I previously discussed, Northrop Grumman has requested access to UTC wells MW6-11, MW18S, MW18D and S7 for purposes of inclusion into a survey Northrop Grumman is conducting of its recently installed wells located in the same vicinity. The purpose of this request is to confirm existing survey data and to accurately determine the vertical head differences between the SZ and IZ zones.

Please feel free to give me a call if there are any additional questions.

Thank you,
Amy Sullivan
310-600-4571

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]

Sent: Thursday, June 12, 2014 9:20 AM

To: Sullivan, Amy (CO)

Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com; Platt, David UTC

Subject: EXT :Access Agreement to Survey of SZ-North wells

Amy as a follow-up to yesterday’s e-mail (below), I spoke with David Platt, UTC’s in-house counsel associated with this project. He suggested that it would be more efficient for Northrop Grumman to prepare an Access Agreement/Liability Release Agreement for UTC’s review as Northrop Grumman should have the necessary information readily available to them (e.g., name of the subcontractors to be involved, the duration of activities, scope of activities, when data would be available for sharing with UTC, etc.).

Therefore, please prepare a short Access Agreement/Liability Release Agreement that provides for insurance and indemnity, and the items indicated above, and forward to both David Platt (see below) and me for review.

David Platt
Assistant General Counsel
United Technologies Corporation
One Financial Plaza, MS 524
Hartford, CT 06103
Tel: 860-728-7839
Cell: 860-463-6584
eFax: 860-660-8849
David.Platt@utc.com

Call or e-mail either one of us with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Wednesday, June 11, 2014 1:08 PM
To: 'Sullivan, Amy (CO)'; Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: RE: Survey of SZ-North wells

Amy, as discussed with Michelle Zych we should be able to accommodate Northrop Grumman's request to access the wells listed below for re-surveying.

In support of these activities I have asked UTC Legal to draft a simple Liability Release for those specific activities requested by Northrop Grumman. I will forward the Liability Release for your review and execution shortly.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, June 23, 2014 12:16 PM
To: Barquest, Bradley A UTCHQ
Subject: RE: Access Agreement to Survey of SZ-North wells

Hi Brad,

Let's check in today. I am free after 1 PM PDT.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, June 23, 2014 12:14 PM
To: Chavira, Raymond; <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: FW: Access Agreement to Survey of SZ-North wells

FYI, I see you were left off the cc list.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Brown, Elizabeth C. (Law) [mailto:Elizabeth.C.Brown@ngc.com]
Sent: Monday, June 23, 2014 9:24 AM
To: Platt, David UTC
Cc: Sullivan, Amy (CO); Barquest, Bradley A UTCHQ
Subject: [External] RE: Access Agreement to Survey of SZ-North wells

David,

Northrop Grumman routinely permits others to access our monitoring wells without any type of formal agreement and I believe that this has been the practice in the PVOU up until now. So it is not at all clear to me that such agreements are typical. We would be comfortable agreeing that, if our activities damaged the well, Northrop Grumman would repair the well. We would also be happy to provide information about the level of insurance our contractor/consultant has. I am unclear, however, why we would need to provide UTC with an indemnity. Moreover, whatever requirements you place on us now you can expect from us when UTC wants to access any of our wells. Finally, if UTC insists that we proceed along this path, I have never seen such an agreement. Perhaps you have an example you can share?

Elizabeth C. Brown
Corporate Counsel
Environmental, Health & Safety and Real Estate
Northrop Grumman Corporation
One Hornet Way
Mailstop 110/D4
El Segundo, CA 90245
Phone: (310) 331-6753

Fax: (310) 263-5365

Cell: (310) 989-1147

From: Platt, David UTC [<mailto:David.Platt@utc.com>]
Sent: Monday, June 23, 2014 6:20 AM
To: Sullivan, Amy (CO); Barquest, Bradley A UTCHQ
Cc: Brown, Elizabeth C. (Law)
Subject: EXT :RE: Access Agreement to Survey of SZ-North wells

I am aware that the wells are located in the public rights-of-way. In order to provide access to these wells, we need a simple agreement by which we are protected (e.g., insurance, indemnity) in the event that damage is caused or some other problem is created. Such an agreement is very typical under these types of circumstances. I am happy to discuss this. Thanks.

DP

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]
Sent: Friday, June 20, 2014 4:49 PM
To: Barquest, Bradley A UTCHQ
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com; Platt, David UTC; Brown, Elizabeth C. (Law)
Subject: [External] RE: Access Agreement to Survey of SZ-North wells

Brad – after discussing UTC’s request for an Access Agreement / Liability Release Agreement with Northrop Grumman’s internal counsel, it was decided that a formal agreement is not necessary since the request pertains to UTC wells located in public right-of-ways. We’re not sure David Platt is aware of this, but it should alleviate any access concerns he may have had.

As you and I previously discussed, Northrop Grumman has requested access to UTC wells MW6-11, MW18S, MW18D and S7 for purposes of inclusion into a survey Northrop Grumman is conducting of its recently installed wells located in the same vicinity. The purpose of this request is to confirm existing survey data and to accurately determine the vertical head differences between the SZ and IZ zones.

Please feel free to give me a call if there are any additional questions.

Thank you,
Amy Sullivan
310-600-4571

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Thursday, June 12, 2014 9:20 AM
To: Sullivan, Amy (CO)
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com; Platt, David UTC
Subject: EXT :Access Agreement to Survey of SZ-North wells

Amy as a follow-up to yesterday’s e-mail (below), I spoke with David Platt, UTC’s in-house counsel associated with this project. He suggested that it would be more efficient for Northrop Grumman to prepare an Access Agreement/Liability Release Agreement for UTC’s review as Northrop Grumman should have the necessary information readily available to them (e.g., name of the subcontractors to be involved, the duration of activities, scope of activities, when data would be available for sharing with UTC, etc.).

Therefore, please prepare a short Access Agreement/Liability Release Agreement that provides for insurance and indemnity, and the items indicated above, and forward to both David Platt (see below) and me for review.

David Platt
Assistant General Counsel
United Technologies Corporation
One Financial Plaza, MS 524
Hartford, CT 06103
Tel: 860-728-7839
Cell: 860-463-6584
eFax: 860-660-8849
David.Platt@utc.com

Call or e-mail either one of us with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Barquest, Bradley A UTCHQ
Sent: Wednesday, June 11, 2014 1:08 PM
To: 'Sullivan, Amy (CO)'; Scott.Parsons@tetrattech.com
Cc: Chavira, Raymond; Klaus Rohwer; Tom.Perina@CH2M.com
Subject: RE: Survey of SZ-North wells

Amy, as discussed with Michelle Zych we should be able to accommodate Northrop Grumman's request to access the wells listed below for re-surveying.

In support of these activities I have asked UTC Legal to draft a simple Liability Release for those specific activities requested by Northrop Grumman. I will forward the Liability Release for your review and execution shortly.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, June 24, 2014 5:34 PM
To: Chavira, Raymond
Subject: RE: SZ-South May Monthly Progress Report for EPA

Thank you

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, June 24, 2014 7:03 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott
Subject: [External] FW: SZ-South May Monthly Progress Report for EPA

FYI only

From: Klaus Rohwer [<mailto:Klaus.Rohwer@EquipoiseCorp.com>]
Sent: Tuesday, June 10, 2014 11:07 AM
To: Chavira, Raymond; Tom.Perina@CH2M.com; Burger, Kate@DTSC
Cc: Amy Sullivan; JGallinatti@geosyntec.com; Rick Lewis
Subject: FW: SZ-South May Monthly Progress Report for EPA

Ray,
Attached please find the Benchmark SZ May Monthly Progress Report.

Klaus Rohwer, PG, LG, LHg
Equipoise Corporation
25108 Jefferson Avenue, Suite A | Murrieta, California | 92562
951.696.7217 | Klaus.Rohwer@EquipoiseCorp.com



Please consider the environment before printing this email

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, June 25, 2014 1:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com>
(Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, June 25, 2014 2:03 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com>
(Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, June 25, 2014 3:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun;Chavira, Raymond;Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 01, 2014 10:32 AM
To: Parsons, Scott;Kerang Sun;Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information was well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Kerang.Sun@CH2M.com
Sent: Tuesday, July 01, 2014 10:31 AM
To: Scott.Parsons@tetrattech.com;Chavira, Raymond;Tom.Perina@CH2M.com
Cc: bradley.barquest@utc.com
Subject: RE: Sharepoint access

Scott,

I will gather and upload the data package later this week.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Sun, Kerang/SCO; Chavira.Raymond@epa.gov; Perina, Tom/RIV
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond;Parsons, Scott;Kerang Sun;Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository. Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information as well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010

Scott.Parsons@tetratech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 01, 2014 11:04 AM
To: Barquest, Bradley A UTCHQ;Parsons, Scott;Kerang Sun;Tom Perina
Subject: RE: Sharepoint access

More of a short-term repository, if possible. Thanks

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond; Parsons, Scott; Kerang Sun; Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository. Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information as well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data,

groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010

Scott.Parsons@tetrattech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Thursday, July 03, 2014 7:00 AM
To: Chavira, Raymond
Cc: Scott.Parsons@tetrattech.com
Subject: RE: Sharepoint access

Ray, I believe we can accommodate the request. Let's discuss the specifics next week.

Thanks

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 1:04 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott; Kerang Sun; Tom Perina
Subject: [External] RE: Sharepoint access

More of a short-term repository, if possible. Thanks

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond; Parsons, Scott; Kerang Sun; Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository. Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information as well, so all information is available to NG.

Thanks

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, July 03, 2014 7:07 AM
To: Barquest, Bradley A UTCHQ;Chavira, Raymond
Subject: RE: Sharepoint access

I am available for the net 30 minutes or so if we need to talk. Otherwise, talk to you Monday

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Thursday, July 03, 2014 8:59 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: Sharepoint access

Ray, I believe we can accommodate the request. Let's discuss the specifics next week.

Thanks

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, July 01, 2014 1:04 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott; Kerang Sun; Tom Perina
Subject: [External] RE: Sharepoint access

More of a short-term repository, if possible. Thanks

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond; Parsons, Scott; Kerang Sun; Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository.
Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information was well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, July 03, 2014 8:24 AM
To: Parsons, Scott; Barquest, Bradley A UTCHQ
Subject: RE: Sharepoint access

Let's discuss Monday. A short-repository would enhance document sharing and reduce duplication/effort on our end.

I do have a few comments to discuss on the baseline sampling memo and am expecting more from HILL, we can discuss these later next week, Thursday or Friday.

Have a good weekend

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Thursday, July 03, 2014 7:07 AM
To: Barquest, Bradley A UTCHQ; Chavira, Raymond
Subject: RE: Sharepoint access

I am available for the net 30 minutes or so if we need to talk. Otherwise, talk to you Monday

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Thursday, July 03, 2014 8:59 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: Sharepoint access

Ray, I believe we can accommodate the request. Let's discuss the specifics next week.

Thanks

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, July 01, 2014 1:04 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott; Kerang Sun; Tom Perina
Subject: [External] RE: Sharepoint access

More of a short-term repository, if possible. Thanks

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond; Parsons, Scott; Kerang Sun; Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository.

Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information was well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Thursday, July 03, 2014 8:30 AM
To: Chavira, Raymond
Subject: RE: Sharepoint access

Sounds good.
Likewise

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Thursday, July 03, 2014 10:24 AM
To: Parsons, Scott; Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Let's discuss Monday. A short-repository would enhance document sharing and reduce duplication/effort on our end.

I do have a few comments to discuss on the baseline sampling memo and am expecting more from HILL, we can discuss these later next week, Thursday or Friday.

Have a good weekend

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Thursday, July 03, 2014 7:07 AM
To: Barquest, Bradley A UTCHQ; Chavira, Raymond
Subject: RE: Sharepoint access

I am available for the net 30 minutes or so if we need to talk. Otherwise, talk to you Monday

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Thursday, July 03, 2014 8:59 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: Sharepoint access

Ray, I believe we can accommodate the request. Let's discuss the specifics next week.

Thanks

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 1:04 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott; Kerang Sun; Tom Perina
Subject: [External] RE: Sharepoint access

More of a short-term repository, if possible. Thanks

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, July 01, 2014 10:54 AM
To: Chavira, Raymond; Parsons, Scott; Kerang Sun; Tom Perina
Subject: RE: Sharepoint access

Ray, I think this is a good idea. That said, are you looking for this to be a transfer site, or a repository. Either way, I will need to check with Corporate as to the specifics concerning any limitation, etc. in doing this.

Call or e-mail with question

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, July 01, 2014 12:32 PM
To: Parsons, Scott; Kerang Sun; Tom Perina
Cc: Barquest, Bradley A UTCHQ
Subject: [External] RE: Sharepoint access

Scott,

Is it possible we can use this site to include not only NG derived information but UTC information as well, so all information is available to NG.

Thanks

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Kerang Sun; Chavira, Raymond; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010

Scott.Parsons@tetrattech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards;Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, July 11, 2014 11:08 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

Friday works best for me. I prefer the morning but am available all day.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 15, 2014 8:42 AM
To: Barquest, Bradley A UTCHQ;Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com);Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Kerang and Tom,

I wanted to follow up on the status of getting the requested data posted to the Sharepoint Site. Ray, Tom, and Kerang should all have login capabilities by now

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Wednesday, June 25, 2014 4:02 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Parsons, Scott; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Wednesday, June 25, 2014 3:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 15, 2014 11:15 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

I just spoke to Bizu. He prefers Wednesday. Wednesday works for me too. Can we confirm 9:00 am Wednesday?

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, July 15, 2014 11:18 AM
To: Ayele, Bizuayehu@Waterboards;Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

10:00 am is fine with me

From: Ayele, Bizuayehu@Waterboards [mailto:Bizuayehu.Ayele@waterboards.ca.gov]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Parsons, Scott; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

Scott:

I suggest 10:00 am Wednesday.

Bizu

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 11:15 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

I just spoke to Bizu. He prefers Wednesday. Wednesday works for me too. Can we confirm 9:00 am Wednesday?

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Tuesday, July 15, 2014 12:21 PM
To: Scott.Parsons@tetrattech.com;Bradley.Barquest@utc.com;Chavira, Raymond
Cc: Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Scott,

My understanding is that Ray wanted this exchange to start with UTC posting SZN data on the SharePoint. Please let us know when that is done.

Note: We certainly can share the RDI data from Northrop, but please keep in mind that the dataset is incomplete now (logs, survey, well IDs, etc. being generated).

Thanks,

Tom

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 8:42 AM
To: Barquest, Bradley A UTCHQ; Chavira, Raymond
Cc: Perina, Tom/RIV; Sun, Kerang/SCO
Subject: RE: Request for PVOU Data

Kerang and Tom,

I wanted to follow up on the status of getting the requested data posted to the Sharepoint Site. Ray, Tom, and Kerang should all have login capabilities by now

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Wednesday, June 25, 2014 4:02 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Parsons, Scott; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, June 25, 2014 3:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Plate, Mathew
Sent: Tuesday, July 15, 2014 12:55 PM
To: Parsons, Scott;Ayele, Bizuayehu@Waterboards;Chavira, Raymond
Subject: RE: BDP Carrier Site Walk through

Thanks Scott,

Ray and I are available Wednesday (7/23) at 10 am also.

matt

Mathew Plate
USEPA Region 9 QA Office
415 972 3799

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Ayele, Bizuayehu@Waterboards; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

10:00 am is fine with me

From: Ayele, Bizuayehu@Waterboards [mailto:Bizuayehu.Ayele@waterboards.ca.gov]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Parsons, Scott; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

Scott:

I suggest 10:00 am Wednesday.

Bizu

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 11:15 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

I just spoke to Bizu. He prefers Wednesday. Wednesday works for me too. Can we confirm 9:00 am Wednesday?

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott

Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew

Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, July 15, 2014 1:11 PM
To: Tom.Perina@CH2M.com; Scott.Parsons@tetrattech.com; Chavira, Raymond
Cc: Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Tom, it was my understanding that Kerang was in the process of uploading the requested documents (as per Ray's instructions) during your vacation (see below). As such, I was not aware of the need to upload any SZ North data prior to receiving our requested data.

That said, we are in the process of finalizing the Spring (First Half) 2014 Semi Annual Basic Groundwater Monitoring Report and should be submitting that to EPA by the end of the week. Therefore, please discuss with Ray the timing of the requested data delivery.

Thanks for your help.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 3:03 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Sharepoint access

From: Kerang.Sun@CH2M.com [<mailto:Kerang.Sun@CH2M.com>]
Sent: Tuesday, July 01, 2014 10:31 AM
To: Parsons, Scott; Chavira.Raymond@epa.gov; Tom.Perina@CH2M.com
Cc: bradley.barquest@utc.com
Subject: RE: Sharepoint access

Scott,

I will gather and upload the data package later this week.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.
CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Sun, Kerang/SCO; Chavira.Raymond@epa.gov; Perina, Tom/RIV

Cc: Bradley A Barquest (bradley.barquest@utc.com)

Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010

Scott.Parsons@tetrattech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]

Sent: Tuesday, July 15, 2014 2:21 PM

To: Scott.Parsons@tetrattech.com; Barquest, Bradley A UTCHQ; Chavira.Raymond@epa.gov

Cc: Kerang.Sun@CH2M.com

Subject: [External] RE: Request for PVOU Data

Scott,

My understanding is that Ray wanted this exchange to start with UTC posting SZN data on the SharePoint. Please let us know when that is done.

Note: We certainly can share the RDI data from Northrop, but please keep in mind that the dataset is incomplete now (logs, survey, well IDs, etc. being generated).

Thanks,

Tom

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]

Sent: Tuesday, July 15, 2014 8:42 AM

To: Barquest, Bradley A UTCHQ; Chavira, Raymond

Cc: Perina, Tom/RIV; Sun, Kerang/SCO

Subject: RE: Request for PVOU Data

Kerang and Tom,

I wanted to follow up on the status of getting the requested data posted to the Sharepoint Site. Ray, Tom, and Kerang should all have login capabilities by now

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]

Sent: Wednesday, June 25, 2014 4:02 PM

To: Chavira, Raymond

Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Parsons, Scott; Kerang.Sun@CH2M.com

Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]

Sent: Wednesday, June 25, 2014 3:54 PM

To: Barquest, Bradley A UTCHQ

Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com

Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]

Sent: Wednesday, June 25, 2014 12:13 PM

To: Chavira, Raymond

Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com

Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A,

72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Tuesday, July 15, 2014 2:45 PM
To: Bradley.Barquest@utc.com
Cc: Kerang.Sun@CH2M.com;Chavira, Raymond;Scott.Parsons@tetrattech.com
Subject: RE: Request for PVOU Data

Brad,

Ray doesn't want us to spend the effort of assembling a package of data that Northrop generated and would prefer if UTC and Northrop communicated and exchanged information directly.

Best regards,

Tom

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, July 15, 2014 1:11 PM
To: Perina, Tom/RIV; Scott.Parsons@tetrattech.com; Chavira.Raymond@epa.gov
Cc: Sun, Kerang/SCO
Subject: RE: Request for PVOU Data

Tom, it was my understanding that Kerang was in the process of uploading the requested documents (as per Ray's instructions) during your vacation (see below). As such, I was not aware of the need to upload any SZ North data prior to receiving our requested data.

That said, we are in the process of finalizing the Spring (First Half) 2014 Semi Annual Basic Groundwater Monitoring Report and should be submitting that to EPA by the end of the week. Therefore, please discuss with Ray the timing of the requested data delivery.

Thanks for your help.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 3:03 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Sharepoint access

From: Kerang.Sun@CH2M.com [mailto:Kerang.Sun@CH2M.com]
Sent: Tuesday, July 01, 2014 10:31 AM
To: Parsons, Scott; Chavira.Raymond@epa.gov; Tom.Perina@CH2M.com
Cc: bradley.barquest@utc.com
Subject: RE: Sharepoint access

Scott,

I will gather and upload the data package later this week.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.

CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Sun, Kerang/SCO; Chavira.Raymond@epa.gov; Perina, Tom/RIV
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Tuesday, July 15, 2014 2:21 PM
To: Scott.Parsons@tetrattech.com; Barquest, Bradley A UTCHQ; Chavira.Raymond@epa.gov
Cc: Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Scott,

My understanding is that Ray wanted this exchange to start with UTC posting SZN data on the SharePoint. Please let us know when that is done.

Note: We certainly can share the RDI data from Northrop, but please keep in mind that the dataset is incomplete now (logs, survey, well IDs, etc. being generated).

Thanks,

Tom

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 8:42 AM
To: Barquest, Bradley A UTCHQ; Chavira, Raymond
Cc: Perina, Tom/RIV; Sun, Kerang/SCO
Subject: RE: Request for PVOU Data

Kerang and Tom,

I wanted to follow up on the status of getting the requested data posted to the Sharepoint Site. Ray, Tom, and Kerang should all have login capabilities by now

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Wednesday, June 25, 2014 4:02 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Parsons, Scott; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, June 25, 2014 3:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, July 15, 2014 2:59 PM
To: Tom.Perina@CH2M.com
Cc: Kerang.Sun@CH2M.com; Chavira, Raymond; Scott.Parsons@tetrattech.com
Subject: RE: Request for PVOU Data

Thanks Tom, I will take this up with Ray when he gets back from vacation.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Tuesday, July 15, 2014 4:45 PM
To: Barquest, Bradley A UTCHQ
Cc: Kerang.Sun@CH2M.com; Chavira.Raymond@epa.gov; Scott.Parsons@tetrattech.com
Subject: [External] RE: Request for PVOU Data

Brad,

Ray doesn't want us to spend the effort of assembling a package of data that Northrop generated and would prefer if UTC and Northrop communicated and exchanged information directly.

Best regards,

Tom

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Tuesday, July 15, 2014 1:11 PM
To: Perina, Tom/RIV; Scott.Parsons@tetrattech.com; Chavira.Raymond@epa.gov
Cc: Sun, Kerang/SCO
Subject: RE: Request for PVOU Data

Tom, it was my understanding that Kerang was in the process of uploading the requested documents (as per Ray's instructions) during your vacation (see below). As such, I was not aware of the need to upload any SZ North data prior to receiving our requested data.

That said, we are in the process of finalizing the Spring (First Half) 2014 Semi Annual Basic Groundwater Monitoring Report and should be submitting that to EPA by the end of the week. Therefore, please discuss with Ray the timing of the requested data delivery.

Thanks for your help.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 3:03 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Sharepoint access

From: Kerang.Sun@CH2M.com [<mailto:Kerang.Sun@CH2M.com>]
Sent: Tuesday, July 01, 2014 10:31 AM
To: Parsons, Scott; Chavira.Raymond@epa.gov; Tom.Perina@CH2M.com
Cc: bradley.barquest@utc.com
Subject: RE: Sharepoint access

Scott,

I will gather and upload the data package later this week.

Thanks

Kerang

Kerang Sun, Ph.D., P.G.
CH2M HILL
6 Hutton Centre Dr. Suite 700
Santa Ana, CA 92707
Tel: (714) 435-6324
Fax: (714) 424-2238

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 01, 2014 10:27 AM
To: Sun, Kerang/SCO; Chavira.Raymond@epa.gov; Perina, Tom/RIV
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Sharepoint access

Kerang, Tom, and Ray,

Each of you should have received a notification from Tetra Tech allowing you to setup a sharepoint password. Per Brad's formal email request and Ray's subsequent reply, this password with your assigned user name will allow you to upload all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Please include a copy of Northrop's recently submitted remedial design investigation reports that provide data associated with RDI wells installed since January 2014.

Please do not hesitate to call if you did not receive your notification. We look forward to receiving and reviewing the data and reports. Please let us know when you will be uploading the data and reports.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Tuesday, July 15, 2014 2:21 PM
To: Scott.Parsons@tetrattech.com; Barquest, Bradley A UTCHQ; Chavira.Raymond@epa.gov
Cc: Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Scott,

My understanding is that Ray wanted this exchange to start with UTC posting SZN data on the SharePoint. Please let us know when that is done.

Note: We certainly can share the RDI data from Northrop, but please keep in mind that the dataset is incomplete now (logs, survey, well IDs, etc. being generated).

Thanks,

Tom

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 8:42 AM
To: Barquest, Bradley A UTCHQ; Chavira, Raymond
Cc: Perina, Tom/RIV; Sun, Kerang/SCO
Subject: RE: Request for PVOU Data

Kerang and Tom,

I wanted to follow up on the status of getting the requested data posted to the Sharepoint Site. Ray, Tom, and Kerang should all have login capabilities by now

From: Barquest, Bradley A UTCHQ [Bradley.Barquest@utc.com]
Sent: Wednesday, June 25, 2014 4:02 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Parsons, Scott; Kerang.Sun@CH2M.com
Subject: RE: Request for PVOU Data

Ray, I will have Tetra tech set up a Share Point Site and send you and CH2MHill the information.

I do remember you saying that the SZ South RI and the IZ Compliance Monitoring Network Reports would be out/available in the fall of 2014. However, any information you can provide with respect to the recently completed and/or ongoing SZ South and IZ investigation and/or remediation activities would be greatly appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Wednesday, June 25, 2014 3:54 PM
To: Barquest, Bradley A UTCHQ
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com; Kerang.Sun@CH2M.com
Subject: [External] RE: Request for PVOU Data

Brad,

It may be easiest for Tetra Tech to set up a FTP or Sharepoint site. Please note the RI Report should come out in September/October and include all the relevant data associated with SZ. The amended Compliance Monitoring Network Report for IZ should come out around then as well.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Wednesday, June 25, 2014 12:13 PM
To: Chavira, Raymond
Cc: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: Request for PVOU Data

Ray, as a follow-up to our discussion on Monday June 23, 2014, I would like to formally request all available data associated with the ongoing Northrop Grumman Shallow Zone (SZ) South and Intermediate Zone (IZ) investigation activities on, upgradient and adjacent to the Former Benchmark Facility (e.g., soil analytical data, groundwater analytical data (discrete depth samples and completed monitoring well data), boring logs, well completion information, an updated boring and monitoring well location map, etc.). Although Northrop recently provided us with PVOU SZ South and PVOU IZ groundwater monitoring report, it is noted that not all wells sampled (for example monitoring wells W72A, 72B, and 72C on Proctor Avenue, upgradient from the Benchmark facility) as part of Northrop Grumman's most recent groundwater monitoring event.

If a Share-Point site is required to transfer the data, please let both Scott Parsons (Tetra Tech) and me know so we can set one up.

Thank you in advance for your assistance with this request.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, July 18, 2014 3:32 PM
To: Chavira, Raymond;Kerang Sun;John Dolegowski (john.Dolegowski@CH2M.com);Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Groundwater Monitring Repot

Follow Up Flag: Follow up
Flag Status: Flagged

The Spring (First Half) 2014 Groundwater Monitoring Report has been uploaded to the Sharepoint site. Hard copies and CDs will be sent out on Monday for Tuesday delivery.

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, July 21, 2014 8:38 AM
To: Plate, Mathew;Parsons, Scott;Ayele, Bizuayehu@Waterboards
Subject: RE: BDP Carrier Site Walk through

Scott,

Looks like 10 am this Wed 23 July. Please confirm and provide logistics. Thanks in advance

Ray

From: Plate, Mathew
Sent: Tuesday, July 15, 2014 12:55 PM
To: Parsons, Scott; Ayele, Bizuayehu@Waterboards; Chavira, Raymond
Subject: RE: BDP Carrier Site Walk through

Thanks Scott,

Ray and I are available Wednesday (7/23) at 10 am also.

matt

Mathew Plate
USEPA Region 9 QA Office
415 972 3799

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Ayele, Bizuayehu@Waterboards; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

10:00 am is fine with me

From: Ayele, Bizuayehu@Waterboards [<mailto:Bizuayehu.Ayele@waterboards.ca.gov>]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Parsons, Scott; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

Scott:

I suggest 10:00 am Wednesday.

Bizu

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 11:15 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

I just spoke to Bizu. He prefers Wednesday. Wednesday works for me too. Can we confirm 9:00 am Wednesday?

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Monday, July 21, 2014 8:42 AM
To: Chavira, Raymond; Plate, Mathew; Ayele, Bizuayehu@Waterboards
Subject: RE: BDP Carrier Site Walk through

Confirmed. We have already coordinated access with the property manager. I will bring a copy of the work plan and maps showing the proposed sampling locations. We should meet at the site shortly before 10. I will guide the tour.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Monday, July 21, 2014 8:38 AM
To: Plate, Mathew; Parsons, Scott; Ayele, Bizuayehu@Waterboards
Subject: RE: BDP Carrier Site Walk through

Scott,

Looks like 10 am this Wed 23 July. Please confirm and provide logistics. Thanks in advance

Ray

From: Plate, Mathew
Sent: Tuesday, July 15, 2014 12:55 PM
To: Parsons, Scott; Ayele, Bizuayehu@Waterboards; Chavira, Raymond
Subject: RE: BDP Carrier Site Walk through

Thanks Scott,

Ray and I are available Wednesday (7/23) at 10 am also.

matt

Mathew Plate
USEPA Region 9 QA Office
415 972 3799

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Ayele, Bizuayehu@Waterboards; Chavira, Raymond
Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

10:00 am is fine with me

From: Ayele, Bizuayehu@Waterboards [mailto:Bizuayehu.Ayele@waterboards.ca.gov]
Sent: Tuesday, July 15, 2014 11:18 AM
To: Parsons, Scott; Chavira, Raymond

Cc: Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

Scott:

I suggest 10:00 am Wednesday.

Bizu

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Tuesday, July 15, 2014 11:15 AM
To: Chavira, Raymond
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: RE: BDP Carrier Site Walk through

I just spoke to Bizu. He prefers Wednesday. Wednesday works for me too. Can we confirm 9:00 am Wednesday?

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, July 11, 2014 10:46 AM
To: Parsons, Scott
Cc: Ayele, Bizuayehu@Waterboards; Plate, Mathew
Subject: BDP Carrier Site Walk through

Hi Scott,

The day that best work for us is Wed July 23 followed by Fri July 25. Hopefully, these days work for your team.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, July 21, 2014 9:59 AM
To: Chavira, Raymond
Subject: Follow-up to our data request discussion

Follow Up Flag: Follow up
Flag Status: Flagged

Ray, based on our discussion this morning I have asked Scott check to see if he downloaded the data associated with the CDM Smith link you provided on April 17, 2014. He had, and as such we would like copies of the more recent data associated with the SZN South and upgradient of the Benckmark facility. I believe these are the May 2014 data you mentioned.

Therefore we request that you upload those data into the Tetra Tech Share Point site.

Much Appreciated.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, July 22, 2014 5:31 PM
To: Klaus Rohwer;Sullivan, Amy (CO);Brad Barquest
Cc: Parsons, Scott;<JGallinatti@Geosyntec.com>;<Tom.Perina@CH2M.com>
Subject: Please Review - Draft Agenda for Joint Tech Meeting after Stakeholder Meeting

Please review and add items for discussion.

Ray

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, July 24, 2014 5:21 PM
To: Yeich, Brian J UTCHQ;Maldonado, Lewis
Cc: Lyons, John;Hiett, Richard;Brad Barquest
Subject: RE: PVOU Matter - Request for Meeting

Brian,

We have received your request for meeting and are checking schedules on this end. I should have a response by end of next week.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]
Sent: Wednesday, July 23, 2014 5:17 AM
To: Chavira, Raymond; Maldonado, Lewis
Subject: PVOU Matter - Request for Meeting

Good Morning,

Attached is a file containing a copy of a letter that was sent to Mr. Enrique Manzanilla requesting a meeting to discuss specific issues related to the PVOU matter. You were both included as cc's on that letter. As such, this is a copy for your use and files.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

Chavira, Raymond

From: Yeich, Brian J UTCHQ <BRIAN.YEICH@UTC.COM>
Sent: Friday, July 25, 2014 4:33 AM
To: Chavira, Raymond;Maldonado, Lewis
Cc: Lyons, John;Hiett, Richard;Barquest, Bradley A UTCHQ;Platt, David UTC
Subject: RE: PVOU Matter - Request for Meeting

Ray,

Thank you.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, July 24, 2014 8:21 PM
To: Yeich, Brian J UTCHQ; Maldonado, Lewis
Cc: Lyons, John; Hiett, Richard; Barquest, Bradley A UTCHQ
Subject: [External] RE: PVOU Matter - Request for Meeting

Brian,

We have received your request for meeting and are checking schedules on this end. I should have a response by end of next week.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]

Sent: Wednesday, July 23, 2014 5:17 AM
To: Chavira, Raymond; Maldonado, Lewis
Subject: PVOU Matter - Request for Meeting

Good Morning,

Attached is a file containing a copy of a letter that was sent to Mr. Enrique Manzanilla requesting a meeting to discuss specific issues related to the PVOU matter. You were both included as cc's on that letter. As such, this is a copy for your use and files.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, July 25, 2014 10:18 AM
To: Chavira, Raymond
Subject: on a call will call you in about 20 minutes

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, July 25, 2014 1:57 PM
To: Chavira, Raymond
Subject: FW: PVOU Synoptic Water Level Measurements

As discussed

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]
Sent: Friday, July 25, 2014 10:32 AM
To: Barquest, Bradley A UTCHQ
Cc: 'klaus.rohwer@equipoisecorp.com'; Zych, Michele; 'Matthew Nelson'; Parsons, Scott
Subject: [External] FW: PVOU Synoptic Water Level Measurements

Hi Brad,

Understood; I concur that we need to coordinate future events more efficiently and with more advance planning. That said, for the upcoming synoptic event, we probably need to circle back with Ray to inform him of the delay since he has already approved Northrop Grumman's sampling plan and schedule. I will send him an email and copy you and Scott so we're all on the same page.

I'll also have our consultant contact your sampling team coordinator so we can reschedule this synoptic event.

Thanks, and I'll see you next Tuesday.

Amy

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Thursday, July 24, 2014 3:38 PM
To: Sullivan, Amy (CO)
Cc: Parsons, Scott; Matt Carfagno; Zych, Michele
Subject: RE: PVOU Synoptic Water Level Measurements

Amy, UTC is willing to participate and cooperate in the synoptic groundwater monitoring event you referenced. However, we have not finalized our sampling program or schedule for sampling with EPA as of yet. As such, it is anticipated that our groundwater elevation gauging and sampling will likely not occur until sometime in September 2014.

That said, we should discuss a schedule for the upcoming groundwater elevation gauging and sampling event, as well as ways to coordinate the planning and implementation of future events (2015 and beyond) so that neither Northrop Grumman nor UTC will need to deal with additional mobilizations (as UTC has done to accommodate your requests in the past) or project delays associated with obtaining this type of data.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Sullivan, Amy (CO) [<mailto:Amy.Sullivan@ngc.com>]
Sent: Friday, July 18, 2014 3:59 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; Matt Carfagno; Zych, Michele
Subject: [External] PVOU Synoptic Water Level Measurements

Hi Brad,

Northrop Grumman is currently scheduled to start its groundwater monitoring activities in support of the Intermediate Zone (IZ) and Shallow Zone South (SZS) projects on August 6th and August 7th. I'm writing to find out if United Technologies would be able to accommodate this schedule for its Shallow Zone North (SZN) so we can conduct a synoptic sampling event? If not, please advise what dates would work for your team to complete the SZN sampling activities so that we can coordinate accordingly.

Don't hesitate to give me a call if you have any questions.

Thank you,

Amy

Amy Sullivan
EHS, Manager
Northrop Grumman Corporation
2980 Fairview Park Drive
Falls Church, VA 22042
(310) 600-4571

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, July 25, 2014 2:40 PM
To: Tom.Perina@CH2M.com
Cc: Chavira, Raymond;Bradley.Barquest@utc.com
Subject: RE: S11A step test data

Tom

We are going into the files and will forward to you.

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Friday, July 25, 2014 2:12 PM
To: Parsons, Scott
Cc: Chavira.Raymond@epa.gov; Bradley.Barquest@utc.com
Subject: S11A step test data

Scott,

I was looking at some of the historical data and saw this analysis of S11A step pumping test (attached PDF). The test was done in 2007 or 2008. Can you please send me the Aqtesolv file? Or the Excel spreadsheet with the data?

Thanks,

Tom Perina, PhD, PG, CHG
Hydrogeologist/Senior Technologist
CH2M HILL
1770 Iowa Avenue, Suite 200
Riverside, CA 92507
direct: 951-824-8724
951-276-3003 x34024
tperina@ch2m.com

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, July 25, 2014 2:43 PM
To: Chavira, Raymond
Cc: Sullivan, Amy (CO) (Amy.Sullivan@ngc.com)
Subject: Synoptic Groundwater Elevation Data Collection Activities

Ray, the following summarizes our discussion concerning the request for synoptic groundwater elevation data collection:

As discussed UTC and Northrop Grumman (NG) have completed an Access Agreement in connection with NG's request to access wells assigned to UTC for resurveying. NG has reportedly resurveyed those wells gaining well access via the above reference Access Agreement. The Access Agreement between UTC and NG was drafted to accommodate future requests from NG to access wells assigned to UTC, as well as UTC accessing wells assigned to NG. With that background we suggest that NG implements its planned synoptic water elevation event by accessing those wells assigned to UTC that they are interested in via the above reference Access Agreement.

This approach would allow for NG to obtain the information it is requiring without the need for either NG or UTC engaging in duplicate mobilizations and preventing project delays.

We can discuss further with NG on Tuesday July 29, 2014.

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, July 31, 2014 8:07 AM
To: Brad Barquest;Klaus Rohwer;Sullivan, Amy (CO)
Subject: FW: Contacting PRPs at Puente Valley for Potential SuperJTI

All,

I know we spoke of this opportunity i.e. the Superfund Job Training Initiative in March with Viola Cooper of EPA and Tiffany Reed, I was planning on discussing this on Tuesday but slipped my mind. Although, I expect various components of remedial design work to last through next fall 2015 and construction is expected to start thereafter. This training provided by EPA could start and be completed by this time next year.

I would like to convene a short call with Tiffany Reed to discuss the process and what success and follow up would look like so we can make a decision to proceed. We could do this perhaps later next week of the week of August 18.

Please let me know.

Ray

From: Tiffany Reed [mailto:treed@skeo.com]
Sent: Wednesday, July 30, 2014 2:28 PM
To: Chavira, Raymond
Cc: Cooper, Viola
Subject: Re: Contacting PRPs at Puente Valley for Potential SuperJTI

Hi Ray,

Viola asked that I send an email to let you know we just finished up our SuperJTI at the Rockets, Fireworks and Flares site in Rialto, and that the project was a success. We had a wonderful graduation ceremony to honor the participants last week in Rialto that was attended by David Yogi and also Wayne Praskins, who is a big supporter of the project.

Although the cleanup for Puente Valley is still some time from now, we wanted to let you know that a potential project at your site is still on the SuperJTI radar, and if there is anything we can do to assist with contacting PRPs or potential employers for the site we are happy to help.

Warm Regards,
Tiffany

On Mon, Apr 14, 2014 at 3:17 PM, Tiffany Reed <treed@skeo.com> wrote:

Hi Ray,

Viola asked that I contact you while she is out to touch base on contacting PRPs for the potential SuperJTI at Puente Valley. Did you have any luck with contacting them? Please let me know if there is anything I can do to assist you. I will give you a call this week to touch base as well.

Thanks,
Tiffany

--

Tiffany Reed
Technical Assistance Specialist
treed@skeo.com
[434-975-6700](tel:434-975-6700) ext. 277
www.skeo.com

--

Tiffany Reed
Technical Assistance Specialist
treed@skeo.com
434-975-6700 ext. 277
www.skeo.com

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Friday, August 01, 2014 9:32 AM
To: Enriquez, Raymond;pwinspector@lapuente.org;Joshua Nelson
Cc: Bradley.Barquest@utc.com;Parsons, Scott;Chavira, Raymond;tom.perina@ch2m.com;Upendra Joshi (UJoshi@cc-eng.com);Moisseeva, Tatiana;Rosa.Esquivel@CH2M.com
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Hello Raymond, Gregory, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 25 to September 19, 2014.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 25 to September 19, 2014.

Traffic Impact: The sampling is expected to take no longer than 1 hour at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

MONITORING WELL	LOCATION
SW-02 (MW-19)	Cadbrook Dr / Aldgate Ave, La Puente
VCW-02	Clintwood Ave./ Flanner., La Puente
VCW-03	Sandy Hook/ Beckner, La Puente
LCW-04 (MW6-18)	14252 Amar Rd, La Puente
LCW-05 (MW6-19)	14220 E Homeward St / Sandsprings Dr), La Puente
LCW-08 (MW-17D)	346 N. Lang Ave near Nelson Ave , La Puente
LCW-10 (MW-15)	312 Ardilla Ave, La Puente
MW-02	326 Sandia Ave, La Puente
MW-06	Greenberry Dr/Flagstaff St , La Puente
MW-09	518 N. California Ave, La Puente
MW-11	Greenberry Dr/Flagstaff St, La Puente

MW-12	Beckner/Foxworth Ave, La Puente
MW-16D, 16S	14110 Prichard St, La Puente
MW-17S	346 N. Lang Ave, La Puente
MW-18D, 18S	On Glenshaw Ave near Temple Ave, La Puente
MW6-10	130 North Sunset Ave, La Puente
MW6-11	Glenshaw Ave near Temple Ave, La Puente
MW6-15	Rath St / Radway Ave, La Puente
MW6-16	Giordano St / Aldgate Ave, La Puente
MW6-17, S-06	Flanner St / Clintwood Ave, La Puente
MW6-21	Tamar Dr / Homeward St, La Puente
S-05	Orange Ave / Marland St, La Puente
S-07	Giordano St / Evanwood Ave, La Puente
S-09	Temple Ave / Duff Ave, La Puente
MP20-4,5	Glenshaw Dr / Pritchard St, La Puente
VCW-06/SW-04	On 8th Ave south of Valley Blvd, City of Industry
VCW-07	On California Ave south of Valley Blvd, City of Industry
VCW-09/SW-05	On Orange near Nelson, City of Industry
MW-01A (South)	135-140 North Long Lane, City of Industry
MW-01B(North)	135-140 North Long Lane, City of Industry
MW-03, S-03	130 North Sunset Ave, City of Industry
MW-04	14632 Valley Blvd/ 7&8 th Ave, City of Industry
MW-05	Valley Blvd/ 8th Ave, City of Industry
MW-13	7th Ave south of Valley Blvd, City of Industry
MW-14	212 S 6th Ave, City of Industry
MW6-9, S-02A/B	On Long Lane south of Nelson Ave, City of Industry
MW6-35 to 37	14498 Proctor Ave, Industry
MW-D1	Edison easement, City of Industry
MW-D2	14841 Don Julian Rd, City of Industry
MW-6-17i	14841 Don Julian Rd, City of Industry
MW-6-44, 45	15020 Proctor Ave, City of Industry
MW6-61 to 65	525 Parriot Place, City of Industry
MW-6-71	Edison easement, City of Industry
MW6-20A, 20B	Don Julian/6th Ave, City of Industry
SW-03 (MW6-14)	14806 Flanner St/ Evanwood Ave, Valinda
VCW-01	14850 Giordano Street, Valinda
MW-08	Temple Ave/ Duff Ave, Valinda
MW-10	14772 Lassalette St, Valinda
MW6-12	14746 Lassalette St, Valinda
MW6-13	Temple Ave/ Duff Ave, Valinda
MW8-1	Sauder St./ Van Wig Ave, West Puente Valley
MW8-2	Homeward St./Van Wig Ave, West Puente Valley
MW8-3	Edanruth Ave/Joycedale St., West Puente Valley

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, August 01, 2014 2:00 PM
To: John Gallinatti;Parsons, Scott
Cc: Klaus Rohwer;Brad Barquest
Subject: Request for Copies PVOU Stakeholder Presentations 29 July 2014

Please send you presentations from Tuesday. Thanks in advance

Ray

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, August 04, 2014 9:04 AM
To: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Chavira, Raymond; Scott.Parsons@tetrattech.com
Subject: Scheduled time for discussion of SZN Baseline Water Quality Technical Memorandum Comment 6

Tom your proposed time to discuss SZN Baseline Water Quality Technical Memorandum Comment 6 will work for our team.

It is noted that your statement that "UTC accepted all comments except Comment 6", may be a little broad, as UTC does not agree with all components of the various comments. That said, based on our discussion of July 29, 2014 we (UTC and USEPA) have agreed on a path forward to modify the SZN Baseline Water Quality Technical Memorandum (including a further discussion of Comment 6).

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

-----Original Appointment-----

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]
Sent: Thursday, July 31, 2014 4:13 PM
To: Tom.Perina@CH2M.com; Chavira.Raymond@epamail.epa.gov; Parsons, Scott; Bradley.Barquest@utc.com; Larry.Hilscher@CH2M.com
Cc: Mike.Grigorieff@CH2M.com; Kerang.Sun@CH2M.com
Subject: PVOU - SZN comment 6 on baseline sampling evaluation
When: Tuesday, August 05, 2014 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: call

In the 7/29 meeting at WQA, EPA comments on baseline sampling evaluation report were reviewed. UTC accepted all comments except Comment 6 about comparison of flow weighted average water quality to UTLs for the injection area. It was decided that this issue will be further discussed with statisticians and resolved. The tentative dates are August 5 or 6.

Please forward to other participants not included in this invitation and suggest alternate times as needed.

Call Number 866-203-7023
Participant Code 915-3077-221

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 04, 2014 11:23 AM
To: Barquest, Bradley A UTCHQ;<Tom.Perina@CH2M.com>
(Tom.Perina@CH2M.com);Scott.Parsons@tetrattech.com
Subject: RE: Scheduled time for discussion of SZN Baseline Water Quality Technical Memorandum Comment 6

Brad,

Please prepare and provide a RTC Memo with UTC's revised Tech Memo due on 18 Aug. Eventually, I would like us to be on the same page as we finalize the tech memo and presentation, and meet with the RWQCB in early September.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, August 04, 2014 9:04 AM
To: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Chavira, Raymond; Scott.Parsons@tetrattech.com
Subject: Scheduled time for discussion of SZN Baseline Water Quality Technical Memorandum Comment 6

Tom your proposed time to discuss SZN Baseline Water Quality Technical Memorandum Comment 6 will work for our team.

It is noted that your statement that "UTC accepted all comments except Comment 6", may be a little broad, as UTC does not agree with all components of the various comments. That said, based on our discussion of July 29, 2014 we (UTC and USEPA) have agreed on a path forward to modify the SZN Baseline Water Quality Technical Memorandum (including a further discussion of Comment 6).

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

-----Original Appointment-----

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, July 31, 2014 4:13 PM
To: Tom.Perina@CH2M.com; Chavira.Raymond@epamail.epa.gov; Parsons, Scott; Bradley.Barquest@utc.com; Larry.Hilscher@CH2M.com
Cc: Mike.Grigorieff@CH2M.com; Kerang.Sun@CH2M.com
Subject: PVOU - SZN comment 6 on baseline sampling evaluation
When: Tuesday, August 05, 2014 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: call

In the 7/29 meeting at WQA, EPA comments on baseline sampling evaluation report were reviewed. UTC accepted all comments except Comment 6 about comparison of flow weighted average water quality to UTLs for the injection area. It

was decided that this issue will be further discussed with statisticians and resolved. The tentative dates are August 5 or 6.

Please forward to other participants not included in this invitation and suggest alternate times as needed.

Call Number 866-203-7023
Participant Code 915-3077-221

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 04, 2014 3:35 PM
To: Yeich, Brian J UTCHQ
Cc: Lyons, John;Hiett, Richard;Barquest, Bradley A UTCHQ;Platt, David
UTC;Maldonado, Lewis
Subject: RE: PVOU Matter - Request for Meeting

Brian,

It look like the week of October 13th works best except Friday Oct 17.

Ray

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]
Sent: Friday, July 25, 2014 4:33 AM
To: Chavira, Raymond; Maldonado, Lewis
Cc: Lyons, John; Hiett, Richard; Barquest, Bradley A UTCHQ; Platt, David UTC
Subject: RE: PVOU Matter - Request for Meeting

Ray,

Thank you.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, July 24, 2014 8:21 PM
To: Yeich, Brian J UTCHQ; Maldonado, Lewis
Cc: Lyons, John; Hiett, Richard; Barquest, Bradley A UTCHQ
Subject: [External] RE: PVOU Matter - Request for Meeting

Brian,

We have received your request for meeting and are checking schedules on this end. I should have a response by end of next week.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]
Sent: Wednesday, July 23, 2014 5:17 AM
To: Chavira, Raymond; Maldonado, Lewis
Subject: PVOU Matter - Request for Meeting

Good Morning,

Attached is a file containing a copy of a letter that was sent to Mr. Enrique Manzanilla requesting a meeting to discuss specific issues related to the PVOU matter. You were both included as cc's on that letter. As such, this is a copy for your use and files.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

Chavira, Raymond

Subject: FW: PVOU - SZN comment 6 on baseline sampling evaluation
Location: call

Start: Tue 8/5/2014 10:00 AM
End: Tue 8/5/2014 11:00 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Tom.Perina@CH2M.com

-----Original Appointment-----

From: Perina, Tom/RIV
Sent: Thursday, July 31, 2014 4:13 PM
To: Perina, Tom/RIV; Chavira, Raymond ; Scott Parsons; Brad Barquest; Hilscher, Larry/AUS
Cc: Grigorieff, Mike/SCO; Sun, Kerang/SCO; Ross, James
Subject: PVOU - SZN comment 6 on baseline sampling evaluation
When: Tuesday, August 05, 2014 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: call

In the 7/29 meeting at WQA, EPA comments on baseline sampling evaluation report were reviewed. UTC accepted all comments except Comment 6 about comparison of flow weighted average water quality to UTLs for the injection area. It was decided that this issue will be further discussed with statisticians and resolved. The tentative dates are August 5 or 6.

Please forward to other participants not included in this invitation and suggest alternate times as needed.

Call Number 866-203-7023
Participant Code 915-3077-221

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, August 05, 2014 1:40 PM
To: Brad Barquest;Parsons, Scott
Cc: <Tom.Perina@CH2M.com>;Kerang.Sun@CH2M.com
Subject: EPA Comments - Work Plan 2nd Half 2014 Comprehensive Groundwater Monitoring

Brad,

We have reviewed the Draft PVOU SZ North Groundwater Sampling Plan (dated 28 July 2014) provided on 29 July 2014. Please submit a revised Plan by no later than Friday August 15, 2014 for approval.

Review Comments

1. Page 2 stated that 11 wells will be sampled for perchlorate analysis. Table 3 (included as Attachment) does not show that; please add perchlorate analysis to the table. Also, please provide a rationale for the selection of wells for perchlorate analysis.
2. It is noted that, with the exception of baseline sampling, the wells are planned to be sampled for VOC and 1,4-dioxane only. Please add analysis for perchlorate, Cr+6 and Se to all wells.
3. Extraction wells S2A, S2B and S3 should be sampled as monitoring wells.
4. For the wells that are sampled to support the baseline groundwater monitoring, the analytical list should be checked against the basin plan requirements UTC previously received from the Regional Board; the compounds included in the basin plan requirements should be analyzed for.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Yeich, Brian J UTCHQ <BRIAN.YEICH@UTC.COM>
Sent: Wednesday, August 06, 2014 5:09 AM
To: Chavira, Raymond
Cc: Lyons, John; Hiatt, Richard; Barquest, Bradley A UTCHQ; Platt, David
UTC; Maldonado, Lewis
Subject: RE: PVOU Matter - Request for Meeting

Good Morning Ray,

Tuesday, October 14th works best for us.

If possible, we'd like to start the meeting at 1pm. I hope that works for you. I'm not sure how long the discussion will take, but I think we should plan for 3 hours. If we finish earlier, great.

Regards, Brian

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Monday, August 04, 2014 6:35 PM
To: Yeich, Brian J UTCHQ
Cc: Lyons, John; Hiatt, Richard; Barquest, Bradley A UTCHQ; Platt, David UTC; Maldonado, Lewis
Subject: [External] RE: PVOU Matter - Request for Meeting

Brian,

It look like the week of October 13th works best except Friday Oct 17.

Ray

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]
Sent: Friday, July 25, 2014 4:33 AM
To: Chavira, Raymond; Maldonado, Lewis
Cc: Lyons, John; Hiatt, Richard; Barquest, Bradley A UTCHQ; Platt, David UTC
Subject: RE: PVOU Matter - Request for Meeting

Ray,

Thank you.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, July 24, 2014 8:21 PM
To: Yeich, Brian J UTCHQ; Maldonado, Lewis
Cc: Lyons, John; Hiatt, Richard; Barquest, Bradley A UTCHQ
Subject: [External] RE: PVOU Matter - Request for Meeting

Brian,

We have received your request for meeting and are checking schedules on this end. I should have a response by end of next week.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

-----Original Message-----

From: Yeich, Brian J UTCHQ [mailto:BRIAN.YEICH@UTC.COM]
Sent: Wednesday, July 23, 2014 5:17 AM
To: Chavira, Raymond; Maldonado, Lewis
Subject: PVOU Matter - Request for Meeting

Good Morning,

Attached is a file containing a copy of a letter that was sent to Mr. Enrique Manzanilla requesting a meeting to discuss specific issues related to the PVOU matter. You were both included as cc's on that letter. As such, this is a copy for your use and files.

Regards, Brian

Brian J. Yeich
Director, Remediation Programs
United Technologies Corporation HQ
EH&S 9FS-MS-101 | 9 Farm Springs Rd. | Farmington, CT 06032 | Phone: (860) 728-7624 | e-Fax: 860-660-0231 | e-mail: Brian.Yeich@utc.com

This document contains no technical data subject to the EAR or to the ITAR.

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, August 06, 2014 2:11 PM
To: Tom Perina;Chavira, Raymond
Subject: Report Distribution

Tom,

Can you resend the email that has your requested distribution for reports? (# of hard copies and electronic copies to you, Kerang, and Ray). Thanks. Scott

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, August 06, 2014 2:41 PM
To: Chavira, Raymond;Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Thank you Ray. We are working with new tenants (the paper cup company) to complete their chemical inventory. We will submit a revision once that is done. We are prepping for field work over labor day.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, August 05, 2014 4:45 PM
To: Ayele, Bizuayehu@Waterboards; Parsons, Scott
Cc: Plate, Mathew
Subject: BDP Carrier - Additional Information Walk Through 23 July 2014

Bizu and Scott,

Please find attached two documents prepared by Matt Plate based on our site walkthrough on July 23rd. In addition, EPA recommends additional investigation work with a ppb RAE or similar instrument to determine if some of the potential conduits to the subsurface identified during the walkthrough are significant sources of vapors. This could influence the decision for additional sampling locations.

Please add the additional sampling locations.

Per previous comments, we recommend revising:

- Section 3.2 to include additional sampling with ppb RAE and requirement equilibration of ventilation off (at least 24-36 hours)
- Request for Analysis Table

EPA's expectation is that this sampling program will be conducted the weekend of August 30 - Sept 1, 2014

Please call me if any questions.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, August 07, 2014 10:20 AM
To: Parsons, Scott;Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Scott, sounds good. Please include a revised sampling location map.

Thanks

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, August 06, 2014 2:41 PM
To: Chavira, Raymond; Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Thank you Ray. We are working with new tenants (the paper cup company) to complete their chemical inventory. We will submit a revision once that is done. We are prepping for field work over labor day.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, August 05, 2014 4:45 PM
To: Ayele, Bizuayehu@Waterboards; Parsons, Scott
Cc: Plate, Mathew
Subject: BDP Carrier - Additional Information Walk Through 23 July 2014

Bizu and Scott,

Please find attached two documents prepared by Matt Plate based on our site walkthrough on July 23rd. In addition, EPA recommends additional investigation work with a ppb RAE or similar instrument to determine if some of the potential conduits to the subsurface identified during the walkthrough are significant sources of vapors. This could influence the decision for additional sampling locations.

Please add the additional sampling locations.

Per previous comments, we recommend revising:

- Section 3.2 to include additional sampling with ppb RAE and requirement equilibration of ventilation off (at least 24-36 hours)
- Request for Analysis Table

EPA's expectation is that this sampling program will be conducted the weekend of August 30 - Sept 1, 2014

Please call me if any questions.

Ray

Raymond Chavira

Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, August 07, 2014 10:35 AM
To: Chavira, Raymond; Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Will do.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, August 07, 2014 10:20 AM
To: Parsons, Scott; Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Scott, sounds good. Please include a revised sampling location map.

Thanks

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, August 06, 2014 2:41 PM
To: Chavira, Raymond; Ayele, Bizuayehu@Waterboards
Cc: Plate, Mathew
Subject: RE: BDP Carrier - Additional Information Walk Through 23 July 2014

Thank you Ray. We are working with new tenants (the paper cup company) to complete their chemical inventory. We will submit a revision once that is done. We are prepping for field work over labor day.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Tuesday, August 05, 2014 4:45 PM
To: Ayele, Bizuayehu@Waterboards; Parsons, Scott
Cc: Plate, Mathew
Subject: BDP Carrier - Additional Information Walk Through 23 July 2014

Bizu and Scott,

Please find attached two documents prepared by Matt Plate based on our site walkthrough on July 23rd. In addition, EPA recommends additional investigation work with a ppb RAE or similar instrument to determine if some of the potential conduits to the subsurface identified during the walkthrough are significant sources of vapors. This could influence the decision for additional sampling locations.

Please add the additional sampling locations.

Per previous comments, we recommend revising:

- Section 3.2 to include additional sampling with ppb RAE and requirement equilibration of ventilation off (at least 24-36 hours)
- Request for Analysis Table

EPA's expectation is that this sampling program will be conducted the weekend of August 30 - Sept 1, 2014

Please call me if any questions.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Friday, August 08, 2014 2:21 PM
To: Scott.Parsons@tetrattech.com;bradley.barquest@utc.com;Chavira, Raymond;Kerang.Sun@CH2M.com
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Scott, if you haven't sent yet - I and Kerang do not need a hard copy.
Tom

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Thursday, August 07, 2014 4:50 PM
To: Bradley A Barquest (bradley.barquest@utc.com); Chavira, Raymond; Perina, Tom/RIV; Sun, Kerang/SCO
Subject: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Please find attached the subject work plan. Hard copies and CDs will be sent out tomorrow (Friday). We have scheduled are mobilization to begin August 25. We will begin with the synoptic water level measurements. Please do not hesitate to call if you have any questions.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Saturday, August 09, 2014 8:59 AM
To: Brad Barquest
Cc: Parsons, Scott;<Tom.Perina@CH2M.com>
Subject: Ray out of office Aug 11-14. Please contact Tom Perina for Q's re: PVOU. EOM

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, August 11, 2014 5:33 AM
To: Chavira, Raymond
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Follow Up Flag: Follow up
Flag Status: Completed

Item 3, lets replace with Diffuse bag sampler

Call to discuss

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, August 08, 2014 5:52 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ; Tom Perina; Kerang Sun
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Scott,

EPA has reviewed the revised PVOU Shallow Zone North Groundwater Monitoring Work Plan dated 7 August 2014. This work plan is conditionally approved contingent on UTC addressing three additional comments.

1. For all future documents, UTC shall add a statement that this document is a revision of draft dated (xxxx) based on EPA comments dated (yyyy).
2. UTC shall notify and gain EPA approval of any deviations from the work plan while in the field. For example, whether wells cannot be sampled due to accessibility, etc.
3. Please repair or replace the down-hole dedicated pump in well MW6-62 as recommended in Groundwater Monitoring Report dated 18 July 2014 and ensure wells MW-04 and MW6-11 are sampled.

Please confirm that UTC will address and incorporate these additional comments in the next round of sampling by no later than August 15, 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]

Sent: Thursday, August 07, 2014 4:50 PM

To: Bradley A Barquest (bradley.barquest@utc.com); Chavira, Raymond; Tom Perina; Kerang Sun

Subject: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Please find attached the subject work plan. Hard copies and CDs will be sent out tomorrow (Friday). We have scheduled mobilization to begin August 25. We will begin with the synoptic water level measurements. Please do not hesitate to call if you have any questions.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010

Scott.Parsons@tetrattech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, August 13, 2014 3:08 PM
To: Sullivan, Amy (CO) (Amy.Sullivan@ngc.com)
Cc: Klaus Rohwer
(Klaus.Rohwer@equiposecorp.com); Scott.Parsons@tetrattech.com; Chavira, Raymond
Subject: PVOU SZS and IZ Data Request

Follow Up Flag: Follow up
Flag Status: Flagged

Amy, can you provide the following data, reports and/or memorandums associated with the PVOU Shallow Zone South and the Intermediate Zone:

- The data associated with the April 28, 2014 Transducer Study Data Technical Memorandum. We have the memorandum but not the transducer data;
- The data and associated reports/memorandums for all pumping tests performed to date as part of the RDI for both SZS and the IZ;
- Copies of the discrete depth grab samples (collected while drilling) and selected screen depth intervals associated with the following Shallow Zone South borings/monitoring wells:
 - IP-16; IP-18; W-70 (A,B and C); W-71 (A,B and C); and W-72 (A,B and C).

Thanks in advance for your assistance in providing the requested information, and please let both Scott Parsons and me know when you have uploaded the information into the SharePoint site.

Also as discussed during our July 29, 2014 meeting I have asked Tetra Tech to setup a separate folder to store Boring Logs; e-logs (and other down-hole geophysics, etc.); and well completion logs. You should receive an update from Tetra Tech as how to access and upload/download these data, reports, etc.

Call or e-mail with questions

Thanks again

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 18, 2014 10:36 AM
To: Brad Barquest
Cc: Parsons, Scott;<Tom.Perina@CH2M.com>
Subject: Status of Revised Baseline Sampling Tech Memo?

Brad,

We have yet to receive additional statistical calculations and follow up from our August 5th call. Your revised tech memo is due by COB today.

Ray

From: Chavira, Raymond
Sent: Monday, August 04, 2014 11:23 AM
To: 'Barquest, Bradley A UTCHQ'; <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Scott.Parsons@tetrattech.com
Subject: RE: Scheduled time for discussion of SZN Baseline Water Quality Technical Memorandum Comment 6

Brad,

Please prepare and provide a RTC Memo with UTC's revised Tech Memo due on 18 Aug. Eventually, I would like us to be on the same page as we finalize the tech memo and presentation, and meet with the RWQCB in early September.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Monday, August 04, 2014 9:04 AM
To: <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Chavira, Raymond; Scott.Parsons@tetrattech.com
Subject: Scheduled time for discussion of SZN Baseline Water Quality Technical Memorandum Comment 6

Tom your proposed time to discuss SZN Baseline Water Quality Technical Memorandum Comment 6 will work for our team.

It is noted that your statement that "UTC accepted all comments except Comment 6", may be a little broad, as UTC does not agree with all components of the various comments. That said, based on our discussion of July 29, 2014 we (UTC and USEPA) have agreed on a path forward to modify the SZN Baseline Water Quality Technical Memorandum (including a further discussion of Comment 6).

Call or e-mail with questions

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

-----Original Appointment-----

From: Tom.Perina@CH2M.com [<mailto:Tom.Perina@CH2M.com>]

Sent: Thursday, July 31, 2014 4:13 PM

To: Tom.Perina@CH2M.com; Chavira.Raymond@epamail.epa.gov; Parsons, Scott; Bradley.Barquest@utc.com; Larry.Hilscher@CH2M.com

Cc: Mike.Grigorieff@CH2M.com; Kerang.Sun@CH2M.com

Subject: PVOU - SZN comment 6 on baseline sampling evaluation

When: Tuesday, August 05, 2014 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

Where: call

In the 7/29 meeting at WQA, EPA comments on baseline sampling evaluation report were reviewed. UTC accepted all comments except Comment 6 about comparison of flow weighted average water quality to UTLs for the injection area. It was decided that this issue will be further discussed with statisticians and resolved. The tentative dates are August 5 or 6.

Please forward to other participants not included in this invitation and suggest alternate times as needed.

Call Number 866-203-7023

Participant Code 915-3077-221

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 18, 2014 10:38 AM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott;<Tom.Perina@CH2M.com>
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Brad,

Not clear from your reply that UTC is confirming that it will address and incorporate these additional comments in the next round of sampling. Please reply so that we may grant approval prior to start of sampling the week of Aug 25.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, August 11, 2014 5:33 AM
To: Chavira, Raymond
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Item 3, lets replace with Diffuse bag sampler

Call to discuss

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, August 08, 2014 5:52 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ; Tom Perina; Kerang Sun
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Scott,

EPA has reviewed the revised PVOU Shallow Zone North Groundwater Monitoring Work Plan dated 7 August 2014. This work plan is conditionally approved contingent on UTC addressing three additional comments.

1. For all future documents, UTC shall add a statement that this document is a revision of draft dated (xxxx) based on EPA comments dated (yyyy).
2. UTC shall notify and gain EPA approval of any deviations from the work plan while in the field. For example, whether wells cannot be sampled due to accessibility, etc.
3. Please repair or replace the down-hole dedicated pump in well MW6-62 as recommended in Groundwater Monitoring Report dated 18 July 2014 and ensure wells MW-04 and MW6-11 are sampled.

Please confirm that UTC will address and incorporate these additional comments in the next round of sampling by no later than August 15, 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Thursday, August 07, 2014 4:50 PM
To: Bradley A Barquest (bradley.barquest@utc.com); Chavira, Raymond; Tom Perina; Kerang Sun
Subject: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Please find attached the subject work plan. Hard copies and CDs will be sent out tomorrow (Friday). We have scheduled mobilization to begin August 25. We will begin with the synoptic water level measurements. Please do not hesitate to call if you have any questions.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, August 18, 2014 12:05 PM
To: Chavira, Raymond
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Ray, we spoke to Tom Perina on the phone last week and confirmed with him in your absence that UTC/Carrier will address and incorporate these additional comments in the next round of sampling (scheduled to commence on August 25, 2014).

With respect to the down-hole dedicated pump in well MW6-62, we plan to pull the pump to facilitate its inspection, and determine if the pump can be re-used or not. We will sample well MW6-62 with a portable pump/sampling rig to obtain the required groundwater samples associated with this upcoming sampling event while the dedicated pump is being evaluated.

Thus, this email serves as formal documentation that UTC/Carrier will address and incorporate these additional comments in the next round of sampling (scheduled to commence on August 25, 2014).

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, August 18, 2014 12:38 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Brad,

Not clear from your reply that UTC is confirming that it will address and incorporate these additional comments in the next round of sampling. Please reply so that we may grant approval prior to start of sampling the week of Aug 25.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Monday, August 11, 2014 5:33 AM
To: Chavira, Raymond
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Item 3, lets replace with Diffuse bag sampler

Call to discuss

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695

e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, August 08, 2014 5:52 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ; Tom Perina; Kerang Sun
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Scott,

EPA has reviewed the revised PVOU Shallow Zone North Groundwater Monitoring Work Plan dated 7 August 2014. This work plan is conditionally approved contingent on UTC addressing three additional comments.

1. For all future documents, UTC shall add a statement that this document is a revision of draft dated (xxxx) based on EPA comments dated (yyyy).
2. UTC shall notify and gain EPA approval of any deviations from the work plan while in the field. For example, whether wells cannot be sampled due to accessibility, etc.
3. Please repair or replace the down-hole dedicated pump in well MW6-62 as recommended in Groundwater Monitoring Report dated 18 July 2014 and ensure wells MW-04 and MW6-11 are sampled.

Please confirm that UTC will address and incorporate these additional comments in the next round of sampling by no later than August 15, 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Thursday, August 07, 2014 4:50 PM
To: Bradley A Barquest (bradley.barquest@utc.com); Chavira, Raymond; Tom Perina; Kerang Sun
Subject: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Please find attached the subject work plan. Hard copies and CDs will be sent out tomorrow (Friday). We have scheduled mobilization to begin August 25. We will begin with the synoptic water level measurements. Please do not hesitate to call if you have any questions.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 18, 2014 2:12 PM
To: Barquest, Bradley A UTCHQ
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Thanks Brad.

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, August 18, 2014 12:05 PM
To: Chavira, Raymond
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Ray, we spoke to Tom Perina on the phone last week and confirmed with him in your absence that UTC/Carrier will address and incorporate these additional comments in the next round of sampling (scheduled to commence on August 25, 2014).

With respect to the down-hole dedicated pump in well MW6-62, we plan to pull the pump to facilitate its inspection, and determine if the pump can be re-used or not. We will sample well MW6-62 with a portable pump/sampling rig to obtain the required groundwater samples associated with this upcoming sampling event while the dedicated pump is being evaluated.

Thus, this email serves as formal documentation that UTC/Carrier will address and incorporate these additional comments in the next round of sampling (scheduled to commence on August 25, 2014).

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Monday, August 18, 2014 12:38 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Brad,

Not clear from your reply that UTC is confirming that it will address and incorporate these additional comments in the next round of sampling. Please reply so that we may grant approval prior to start of sampling the week of Aug 25.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, August 11, 2014 5:33 AM
To: Chavira, Raymond
Subject: RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Item 3, lets replace with Diffuse bag sampler

Call to discuss

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Friday, August 08, 2014 5:52 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ; Tom Perina; Kerang Sun
Subject: [External] RE: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Scott,

EPA has reviewed the revised PVOU Shallow Zone North Groundwater Monitoring Work Plan dated 7 August 2014. This work plan is conditionally approved contingent on UTC addressing three additional comments.

1. For all future documents, UTC shall add a statement that this document is a revision of draft dated (xxxx) based on EPA comments dated (yyyy).
2. UTC shall notify and gain EPA approval of any deviations from the work plan while in the field. For example, whether wells cannot be sampled due to accessibility, etc.
3. Please repair or replace the down-hole dedicated pump in well MW6-62 as recommended in Groundwater Monitoring Report dated 18 July 2014 and ensure wells MW-04 and MW6-11 are sampled.

Please confirm that UTC will address and incorporate these additional comments in the next round of sampling by no later than August 15, 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Thursday, August 07, 2014 4:50 PM
To: Bradley A Barquest (bradley.barquest@utc.com); Chavira, Raymond; Tom Perina; Kerang Sun
Subject: PVOU Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan

Please find attached the subject work plan. Hard copies and CDs will be sent out tomorrow (Friday). We have scheduled are mobilization to begin August 25. We will begin with the synoptic water level measurements. Please do not hesitate to call if you have any questions.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 18, 2014 5:30 PM
To: Parsons, Scott
Cc: Tom Perina; Barquest, Bradley A UTCHQ; Abrahams, Jennifer
Subject: RE: Baseline

Scott,

Thanks for the update and additional calculations we look forward to receiving by your revised TM by COB tomorrow.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Monday, August 18, 2014 3:51 PM
To: Chavira, Raymond
Cc: Tom Perina; Barquest, Bradley A UTCHQ; Abrahams, Jennifer
Subject: FW: Baseline

Ray, the attached files contain the raw data and updated statistical calculations and comparisons associated with the baseline water quality sampling. These files include the data and results for the two methods recommended by CH2MHill. We are still evaluating the best way to present the data, and as such have not completed the revised draft technical memorandum. That said, we anticipate submitting the revised draft technical memorandum late Tuesday.

1. Attachment 1.xlsx = raw data set of Dec 2013/Apr 2014 data for inorganics
2. Baseline 95 pct UTL ProUCL output.pdf = ProUCL output with the Upper Threshold Limit (UTL) calculations for the reinjection zone
3. Summary FWA and 95% UTL.pdf = Flow weighted average (FWA) for different extraction wells configurations versus the 95% UTL for reinjection zone (Table 1)
4. Baseline 95 pct UCL ProUCL output.pdf = ProUCL output with the Upper Confidence Limit (UCL calcs) for the reinjection zone
5. Summary FWA and 95% UCL.pdf = FWA for different extraction configurations versus the 95% UCL for reinjection zone (Table 2)
6. Summary individ EWs and 95% UCL.pdf = Concentrations at individual extractions wells s (average of Dec 13 and Apr 14 results) versus 95% UCL for reinjection zone (Table 3)

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, August 19, 2014 4:41 PM
To: Chavira, Raymond
Cc: Tom Perina;Bradley A Barquest (bradley.barquest@utc.com)
Subject: Tech memo

Ray,

We are making final edits to the tech memo. I will be staying late tonight to make sure they get finished. That being said, we will not have the tech memo completed by COB tonight but will have it ready for submittal tomorrow (Wednesday).

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Tuesday, August 19, 2014 5:24 PM
To: Chavira, Raymond;Ayele, Bizuayehu@Waterboards
Cc: Walker, James
Subject: Vapor Intrusion Analysis

Ray,

Re the voicemail you left yesterday:

As part of the ambient air sampling currently scheduled for August 31 – September 1, Tetra Tech will have four extra Summa canisters on hand. Two of the canisters will be available as contingent sampling points in the event that pre-sampling screening with a PID identifies potential sources of vapor intrusion at well vaults, utility vaults, floor drains, and other potential vapor intrusion conduits in the area of interest. If PID readings greater than 100 ppb are observed at a well vault, utility vault, floor drain or potential vapor intrusion conduit greater than 100 feet away from an existing sampling location, then Tetra Tech will set up a Summa canister at that location.

The remaining two Summa canisters will be kept on hand as replacement canisters. During the first hour of the sampling event, Tetra Tech personnel will monitor the status of the canisters to ensure that the valves are operating as designed. In the event that there are valves that fail, or are determined to have been miscalibrated by the lab, Tetra Tech will use the spare Summa canisters as replacements.

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, August 20, 2014 5:45 PM
To: Chavira, Raymond
Cc: Tom Perina;Bradley A Barquest (bradley.barquest@utc.com);Abrahams, Jennifer;Ross, James
Subject: PVOU SZN aseline Groundwater Quality Technical Memorandum

Ray,

Baseline Groundwater Quality Technical Memorandum is available for download on the Sharepoint site by using the link provided below. Hard copies and CDs will be sent out tomorrow.

<https://sites.tetrattech.com/projects/200-PVOU/PVOU%20Shared%20Data/Baseline%20memo%20140820.pdf>

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, August 20, 2014 5:54 PM
To: Parsons, Scott
Cc: Brad Barquest
Subject: FW: Your Self-Service Enrollment Status

My account is disabled

-----Original Message-----

From: ess@tetrattech.com [mailto:ess@tetrattech.com]
Sent: Wednesday, August 20, 2014 5:50 PM
To: Chavira, Raymond
Subject: Your Self-Service Enrollment Status

Hello,

Your account has been recently enrolled with Tetra Tech Password Manager to enable self-service account management. Please reply to this e-mail if you believe that this change was not intended.

Account Name: TTSVCS\Chavira.Raymon
Date: 8/20/2014 7:49:47 PM
Result: Logon failure: account currently disabled.
Performed by: TTSVCS\Chavira.Raymon

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, August 20, 2014 6:27 PM
To: Parsons, Scott
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Your Self-Service Enrollment Status

Scott,

Received per your request.

We plan to digest. Please send the WORD version. Thanks

Ray

-----Original Message-----

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, August 20, 2014 5:58 PM
To: Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Your Self-Service Enrollment Status

Ray,

A copy is attached. Please confirm receipt. I will work on getting your account back on line tomorrow.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Wednesday, August 20, 2014 5:54 PM
To: Parsons, Scott
Cc: Brad Barquest
Subject: FW: Your Self-Service Enrollment Status

My account is disabled

-----Original Message-----

From: ess@tetrattech.com [mailto:ess@tetrattech.com]
Sent: Wednesday, August 20, 2014 5:50 PM
To: Chavira, Raymond
Subject: Your Self-Service Enrollment Status

Hello,

Your account has been recently enrolled with Tetra Tech Password Manager to enable self-service account management. Please reply to this e-mail if you believe that this change was not intended.

Account Name: TTSVCS\Chavira.Raymon
Date: 8/20/2014 7:49:47 PM
Result: Logon failure: account currently disabled.

Performed by: TTSVCS\Chavira.Raymon

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, August 21, 2014 9:13 AM
To: Scott.Parsons@tetrattech.com;Chavira, Raymond
Cc: bradley.barquest@utc.com;Jennifer.Abrahams@tetrattech.com;James.Ross@tetrattech.com
Subject: RE: PVOU SZN aseline Groundwater Quality Technical Memorandum

Scott,

Can you please send us the Word version of the text of this report?

Thanks,

Tom

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, August 20, 2014 5:45 PM
To: Chavira, Raymond
Cc: Perina, Tom/RIV; Bradley A Barquest (bradley.barquest@utc.com); Abrahams, Jennifer; Ross, James
Subject: PVOU SZN aseline Groundwater Quality Technical Memorandum

Ray,

Baseline Groundwater Quality Technical Memorandum is available for download on the Sharepoint site by using the link provided below. Hard copies and CDs will be sent out tomorrow.

<https://sites.tetrattech.com/projects/200-PVOU/PVOU%20Shared%20Data/Baseline%20memo%20140820.pdf>

Chavira, Raymond

From: Tom.Perina@CH2M.com
Sent: Thursday, August 21, 2014 11:25 AM
To: Jennifer.Abrahams@tetrattech.com;Scott.Parsons@tetrattech.com;Chavira, Raymond
Cc: bradley.barquest@utc.com;James.Ross@tetrattech.com
Subject: RE: PVOU SZN Baseline Groundwater Quality Technical Memorandum

Thanks, Jennifer

From: Abrahams, Jennifer [mailto:Jennifer.Abrahams@tetrattech.com]
Sent: Thursday, August 21, 2014 10:14 AM
To: Perina, Tom/RIV; Parsons, Scott; Chavira.Raymond@epa.gov
Cc: bradley.barquest@utc.com; Ross, James
Subject: RE: PVOU SZN Baseline Groundwater Quality Technical Memorandum

Tom,

Per your request, I've attached the Word file for the PVOU SZN Evaluations of baseline sampling memorandum.

Regards,
Jennifer Abrahams, P.G.
Associate | Senior Hydrogeologist
Main: 916.853.1800 | Direct 916.853.4526 | Cell 916.704.4711

Tetra Tech, Inc.
2969 Prospect Park Dr. | Suite 100 | Rancho Cordova, CA 95670

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Thursday, August 21, 2014 9:13 AM
To: Parsons, Scott; Chavira.Raymond@epa.gov
Cc: bradley.barquest@utc.com; Abrahams, Jennifer; Ross, James
Subject: RE: PVOU SZN aseline Groundwater Quality Technical Memorandum

Scott,

Can you please send us the Word version of the text of this report?
Thanks,

Tom

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Wednesday, August 20, 2014 5:45 PM
To: Chavira, Raymond
Cc: Perina, Tom/RIV; Bradley A Barquest (bradley.barquest@utc.com); Abrahams, Jennifer; Ross, James
Subject: PVOU SZN aseline Groundwater Quality Technical Memorandum

Ray,

Baseline Groundwater Quality Technical Memorandum is available for download on the Sharepoint site by using the link provided below. Hard copies and CDs will be sent out tomorrow.

<https://sites.tetrattech.com/projects/200-PVOU/PVOU%20Shared%20Data/Baseline%20memo%20140820.pdf>

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, August 25, 2014 3:46 PM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Ray,

FYI, water level monitoring at VOW-7 (California Avenue) is scheduled for Tuesday, August 26 sometime between 10 AM and P.M. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com
Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Lee, Don
Sent: Friday, August 01, 2014 9:32 AM
To: Enriquez, Raymond; pwinspector@lapuente.org; Joshua Nelson
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Chavira.Raymond@epa.gov; tom.perina@ch2m.com; Upendra Joshi (UJoshi@cc-eng.com); Moisseeva, Tatiana; Rosa.Esquivel@CH2M.com
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Hello Raymond, Gregory, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 25 to September 19, 2014.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 25 to September 19, 2014.

Traffic Impact: The sampling is expected to take no longer than 1 hour at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

MONITORING WELL	LOCATION
SW-02 (MW-19)	Cadbrook Dr / Aldgate Ave, La Puente
VCW-02	Clintwood Ave./ Flanner., La Puente
VCW-03	Sandy Hook/ Beckner, La Puente
LCW-04 (MW6-18)	14252 Amar Rd, La Puente
LCW-05 (MW6-19)	14220 E Homeward St / Sandsprings Dr), La Puente
LCW-08 (MW-17D)	346 N. Lang Ave near Nelson Ave , La Puente
LCW-10 (MW-15)	312 Ardilla Ave, La Puente
MW-02	326 Sandia Ave, La Puente
MW-06	Greenberry Dr/Flagstaff St , La Puente
MW-09	518 N. California Ave, La Puente
MW-11	Greenberry Dr/Flagstaff St, La Puente
MW-12	Beckner/Foxworth Ave, La Puente
MW-16D, 16S	14110 Prichard St, La Puente
MW-17S	346 N. Lang Ave, La Puente
MW-18D, 18S	On Glenshaw Ave near Temple Ave, La Puente
MW6-10	130 North Sunset Ave, La Puente
MW6-11	Glenshaw Ave near Temple Ave, La Puente
MW6-15	Rath St / Radway Ave, La Puente
MW6-16	Giordano St / Aldgate Ave, La Puente
MW6-17, S-06	Flanner St / Clintwood Ave, La Puente
MW6-21	Tamar Dr / Homeward St, La Puente
S-05	Orange Ave / Marland St, La Puente
S-07	Giordano St / Evanwood Ave, La Puente
S-09	Temple Ave / Duff Ave, La Puente
MP20-4,5	Glenshaw Dr / Pritchard St, La Puente
VCW-06/SW-04	On 8th Ave south of Valley Blvd, City of Industry
VCW-07	On California Ave south of Valley Blvd, City of Industry
VCW-09/SW-05	On Orange near Nelson, City of Industry
MW-01A (South)	135-140 North Long Lane, City of Industry
MW-01B(North)	135-140 North Long Lane, City of Industry
MW-03, S-03	130 North Sunset Ave, City of Industry
MW-04	14632 Valley Blvd/ 7&8 th Ave, City of Industry
MW-05	Valley Blvd/ 8th Ave, City of Industry

MW-13	7th Ave south of Valley Blvd, City of Industry
MW-14	212 S 6th Ave, City of Industry
MW6-9, S-02A/B	On Long Lane south of Nelson Ave, City of Industry
MW6-35 to 37	14498 Proctor Ave, Industry
MW-D1	Edison easement, City of Industry
MW-D2	14841 Don Julian Rd, City of Industry
MW-6-17i	14841 Don Julian Rd, City of Industry
MW-6-44, 45	15020 Proctor Ave, City of Industry
MW6-61 to 65	525 Parriot Place, City of Industry
MW-6-71	Edison easement, City of Industry
MW6-20A, 20B	Don Julian/6th Ave, City of Industry
SW-03 (MW6-14)	14806 Flanner St/ Evanwood Ave, Valinda
VCW-01	14850 Giordano Street, Valinda
MW-08	Temple Ave/ Duff Ave, Valinda
MW-10	14772 Lassalette St, Valinda
MW6-12	14746 Lassalette St, Valinda
MW6-13	Temple Ave/ Duff Ave, Valinda
MW8-1	Sauder St./ Van Wig Ave, West Puente Valley
MW8-2	Homeward St./Van Wig Ave, West Puente Valley
MW8-3	Edanruth Ave/Joycedale St., West Puente Valley

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, August 25, 2014 3:53 PM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Ray,

Sorry about the typos from autocorrect in last email, it should say VCW-7 and between 10AM and 2PM.

Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Lee, Don
Sent: Monday, August 25, 2014 3:46 PM
To: Chavira.Raymond@epa.gov
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Ray,

FYI, water level monitoring at VOW-7 (California Avenue) is scheduled for Tuesday, August 26 sometime between 10 AM and P.M. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Lee, Don
Sent: Friday, August 01, 2014 9:32 AM
To: Enriquez, Raymond; pwinspector@lapuente.org; Joshua Nelson
Cc: Bradley.Barquest@utc.com; Parsons, Scott; Chavira.Raymond@epa.gov; tom.perina@ch2m.com; Upendra Joshi (UJoshi@cc-eng.com); Moisseeva, Tatiana; Rosa.Esquivel@CH2M.com
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Hello Raymond, Gregory, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 25 to September 19, 2014.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 25 to September 19, 2014.

Traffic Impact: The sampling is expected to take no longer than 1 hour at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

MONITORING WELL	LOCATION
SW-02 (MW-19)	Cadbrook Dr / Aldgate Ave, La Puente
VCW-02	Clintwood Ave./ Flanner., La Puente
VCW-03	Sandy Hook/ Beckner, La Puente
LCW-04 (MW6-18)	14252 Amar Rd, La Puente
LCW-05 (MW6-19)	14220 E Homeward St / Sandsprings Dr), La Puente
LCW-08 (MW-17D)	346 N. Lang Ave near Nelson Ave , La Puente
LCW-10 (MW-15)	312 Ardilla Ave, La Puente
MW-02	326 Sandia Ave, La Puente
MW-06	Greenberry Dr/Flagstaff St , La Puente
MW-09	518 N. California Ave, La Puente
MW-11	Greenberry Dr/Flagstaff St, La Puente

MW-12	Beckner/Foxworth Ave, La Puente
MW-16D, 16S	14110 Prichard St, La Puente
MW-17S	346 N. Lang Ave, La Puente
MW-18D, 18S	On Glenshaw Ave near Temple Ave, La Puente
MW6-10	130 North Sunset Ave, La Puente
MW6-11	Glenshaw Ave near Temple Ave, La Puente
MW6-15	Rath St / Radway Ave, La Puente
MW6-16	Giordano St / Aldgate Ave, La Puente
MW6-17, S-06	Flanner St / Clintwood Ave, La Puente
MW6-21	Tamar Dr / Homeward St, La Puente
S-05	Orange Ave / Marland St, La Puente
S-07	Giordano St / Evanwood Ave, La Puente
S-09	Temple Ave / Duff Ave, La Puente
MP20-4,5	Glenshaw Dr / Pritchard St, La Puente
VCW-06/SW-04	On 8th Ave south of Valley Blvd, City of Industry
VCW-07	On California Ave south of Valley Blvd, City of Industry
VCW-09/SW-05	On Orange near Nelson, City of Industry
MW-01A (South)	135-140 North Long Lane, City of Industry
MW-01B(North)	135-140 North Long Lane, City of Industry
MW-03, S-03	130 North Sunset Ave, City of Industry
MW-04	14632 Valley Blvd/ 7&8 th Ave, City of Industry
MW-05	Valley Blvd/ 8th Ave, City of Industry
MW-13	7th Ave south of Valley Blvd, City of Industry
MW-14	212 S 6th Ave, City of Industry
MW6-9, S-02A/B	On Long Lane south of Nelson Ave, City of Industry
MW6-35 to 37	14498 Proctor Ave, Industry
MW-D1	Edison easement, City of Industry
MW-D2	14841 Don Julian Rd, City of Industry
MW-6-17i	14841 Don Julian Rd, City of Industry
MW-6-44, 45	15020 Proctor Ave, City of Industry
MW6-61 to 65	525 Parriot Place, City of Industry
MW-6-71	Edison easement, City of Industry
MW6-20A, 20B	Don Julian/6th Ave, City of Industry
SW-03 (MW6-14)	14806 Flanner St/ Evanwood Ave, Valinda
VCW-01	14850 Giordano Street, Valinda
MW-08	Temple Ave/ Duff Ave, Valinda
MW-10	14772 Lassalette St, Valinda
MW6-12	14746 Lassalette St, Valinda
MW6-13	Temple Ave/ Duff Ave, Valinda
MW8-1	Sauder St./ Van Wig Ave, West Puente Valley
MW8-2	Homeward St./Van Wig Ave, West Puente Valley
MW8-3	Edanruth Ave/Joycedale St., West Puente Valley

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 25, 2014 3:59 PM
To: Lee, Don
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

No Problem. Please let me know if you encounter any access issues.

Ray

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Monday, August 25, 2014 3:53 PM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Ray,

Sorry about the typos from autocorrect in last email, it should say VCW-7 and between 10AM and 2PM.

Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

Tetra Tech
17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com
Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Lee, Don
Sent: Monday, August 25, 2014 3:46 PM
To: Chavira.Raymond@epa.gov
Cc: Parsons, Scott
Subject: RE: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Ray,

FYI, water level monitoring at VOW-7 (California Avenue) is scheduled for Tuesday, August 26 sometime between 10 AM and P.M. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Lee, Don

Sent: Friday, August 01, 2014 9:32 AM

To: Enriquez, Raymond; pwinspector@lapuente.org; Joshua Nelson

Cc: Bradley.Barquest@utc.com; Parsons, Scott; Chavira.Raymond@epa.gov; tom.perina@ch2m.com; Upendra Joshi (UJoshi@cc-eng.com); Moisseeva, Tatiana; Rosa.Esquivel@CH2M.com

Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , Aug 25 - Sep 19, 2014 (est.)

Hello Raymond, Gregory, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from August 25 to September 19, 2014.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from August 25 to September 19, 2014.

Traffic Impact: The sampling is expected to take no longer than 1 hour at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

MONITORING WELL	LOCATION
SW-02 (MW-19)	Cadbrook Dr / Aldgate Ave, La Puente
VCW-02	Clintwood Ave./ Flanner., La Puente
VCW-03	Sandy Hook/ Beckner, La Puente

LCW-04 (MW6-18)	14252 Amar Rd, La Puente
LCW-05 (MW6-19)	14220 E Homeward St / Sandsprings Dr), La Puente
LCW-08 (MW-17D)	346 N. Lang Ave near Nelson Ave , La Puente
LCW-10 (MW-15)	312 Ardilla Ave, La Puente
MW-02	326 Sandia Ave, La Puente
MW-06	Greenberry Dr/Flagstaff St , La Puente
MW-09	518 N. California Ave, La Puente
MW-11	Greenberry Dr/Flagstaff St, La Puente
MW-12	Beckner/Foxworth Ave, La Puente
MW-16D, 16S	14110 Prichard St, La Puente
MW-17S	346 N. Lang Ave, La Puente
MW-18D, 18S	On Glenshaw Ave near Temple Ave, La Puente
MW6-10	130 North Sunset Ave, La Puente
MW6-11	Glenshaw Ave near Temple Ave, La Puente
MW6-15	Rath St / Radway Ave, La Puente
MW6-16	Giordano St / Aldgate Ave, La Puente
MW6-17, S-06	Flanner St / Clintwood Ave, La Puente
MW6-21	Tamar Dr / Homeward St, La Puente
S-05	Orange Ave / Marland St, La Puente
S-07	Giordano St / Evanwood Ave, La Puente
S-09	Temple Ave / Duff Ave, La Puente
MP20-4,5	Glenshaw Dr / Pritchard St, La Puente
VCW-06/SW-04	On 8th Ave south of Valley Blvd, City of Industry
VCW-07	On California Ave south of Valley Blvd, City of Industry
VCW-09/SW-05	On Orange near Nelson, City of Industry
MW-01A (South)	135-140 North Long Lane, City of Industry
MW-01B(North)	135-140 North Long Lane, City of Industry
MW-03, S-03	130 North Sunset Ave, City of Industry
MW-04	14632 Valley Blvd/ 7&8 th Ave, City of Industry
MW-05	Valley Blvd/ 8th Ave, City of Industry
MW-13	7th Ave south of Valley Blvd, City of Industry
MW-14	212 S 6th Ave, City of Industry
MW6-9, S-02A/B	On Long Lane south of Nelson Ave, City of Industry
MW6-35 to 37	14498 Proctor Ave, Industry
MW-D1	Edison easement, City of Industry
MW-D2	14841 Don Julian Rd, City of Industry
MW-6-17i	14841 Don Julian Rd, City of Industry
MW-6-44, 45	15020 Proctor Ave, City of Industry
MW6-61 to 65	525 Parriot Place, City of Industry
MW-6-71	Edison easement, City of Industry
MW6-20A, 20B	Don Julian/6th Ave, City of Industry

SW-03 (MW6-14)	14806 Flanner St/ Evanwood Ave, Valinda
VCW-01	14850 Giordano Street, Valinda
MW-08	Temple Ave/ Duff Ave, Valinda
MW-10	14772 Lassalette St, Valinda
MW6-12	14746 Lassalette St, Valinda
MW6-13	Temple Ave/ Duff Ave, Valinda
MW8-1	Sauder St./ Van Wig Ave, West Puente Valley
MW8-2	Homeward St./Van Wig Ave, West Puente Valley
MW8-3	Edanruth Ave/Joycedale St., West Puente Valley

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

Tetra Tech

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213 | www.tetrattechgeo.com

Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, August 25, 2014 7:38 PM
To: Brad Barquest
Cc: Parsons, Scott;<Tom.Perina@CH2M.com>
Subject: Draft Presentation for RWQCB

Brad,

Please start preparing your draft presentation for the Water Board. Please include relevant background materials letters from RWQCB, potential ARARs, particle tracking and other modeling information, as well as baseline sampling results. Please provide draft for EPA review by 4 September 2014.

We are reviewing you revised baseline sampling memo and should provide comments by 2 September.

Please confirm you can provide a draft presentation by 4 September 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, August 26, 2014 8:14 AM
To: Chavira, Raymond
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: RE: Draft Presentation for RWQCB

Ray, we have already begun preparation of the draft presentation you referenced below. However without EPA's comments to the Baseline Water Quality Technical Memorandum and other supporting information (e.g., most recent draft cross sections prepared by Northrop-Grumman and EPA, etc.) any draft presentation will likely have considerable missing components/slides. Given the timing of EPA's comments to the Baseline Water Quality Technical Memorandum (scheduled for distribution on September 2, 2014) we believe a submittal date for the Draft RWQCB Presentation on September 4, 2014 is premature. As such, we cannot confirm that the Draft RWQCB Presentation will be submitted on September 4, 2014.

I would suggest that we have a conference call to discuss the EPA comments (once received) and their impact on the Draft RWQCB Presentation, agree/confirm on the anticipated content of the Draft RWQCB Presentation and then proceed with final preparation and submittal of a Draft RWQCB Presentation. We can identify the anticipated Draft RWQCB Presentation submittal date following our discussion of EPA comments to the Baseline Water Quality Technical Memorandum.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Monday, August 25, 2014 9:38 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: [External] Draft Presentation for RWQCB

Brad,

Please start preparing your draft presentation for the Water Board. Please include relevant background materials letters from RWQCB, potential ARARs, particle tracking and other modeling information, as well as baseline sampling results. Please provide draft for EPA review by 4 September 2014.

We are reviewing your revised baseline sampling memo and should provide comments by 2 September.

Please confirm you can provide a draft presentation by 4 September 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3

San Francisco, CA 94105-3901

(415) 947-4218

(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, August 26, 2014 10:18 AM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>; Kerang.Sun@CH2M.com
Subject: RE: Draft Presentation for RWQCB

Brad,

We believe UTC can prepare draft slides, most of the items to be included do not depend on the baseline memo review, and should be submitted on September 4 plus our review should be straight forward with exception of your insistence in redefining the shallow zone. Please prepare:

- Intro, Objectives [this should be brief, overall the slides should be short on text and focus on graphics, aim for a 30 min presentation]
- Location maps – entire PVOU with SZ plume, SZN with plume, injection area with MW8-1,2,3 wells
- Cross sections [we can provide PDF]
- Particle tracking plane view figures
- System description – treatment train, phases of construction, conceptual layout (brief)
- Baseline evaluation – the three comparisons of water quality, Stiff/Piper diagrams [this part may be revised]
- Planned injection test – duration, flowrate, water from hydrant, schedule
- Overall project schedule

We appreciate your assistance in this matter.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, August 26, 2014 8:14 AM
To: Chavira, Raymond
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: RE: Draft Presentation for RWQCB

Ray, we have already begun preparation of the draft presentation you referenced below. However without EPA's comments to the Baseline Water Quality Technical Memorandum and other supporting information (e.g., most recent draft cross sections prepared by Northrop-Grumman and EPA, etc.) any draft presentation will likely have considerable missing components/slides. Given the timing of EPA's comments to the Baseline Water Quality Technical Memorandum (scheduled for distribution on September 2, 2014) we believe a submittal date for the Draft RWQCB Presentation on September 4, 2014 is premature. As such, we cannot confirm that the Draft RWQCB Presentation will be submitted on September 4, 2014.

I would suggest that we have a conference call to discuss the EPA comments (once received) and their impact on the Draft RWQCB Presentation, agree/confirm on the anticipated content of the Draft RWQCB Presentation and then proceed with final preparation and submittal of a Draft RWQCB Presentation. We can identify the anticipated Draft RWQCB Presentation submittal date following our discussion of EPA comments to the Baseline Water Quality Technical Memorandum.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, August 25, 2014 9:38 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com>
Subject: [External] Draft Presentation for RWQCB

Brad,

Please start preparing your draft presentation for the Water Board. Please include relevant background materials letters from RWQCB, potential ARARs, particle tracking and other modeling information, as well as baseline sampling results. Please provide draft for EPA review by 4 September 2014.

We are reviewing you revised baseline sampling memo and should provide comments by 2 September.

Please confirm you can provide a draft presentation by 4 September 2014

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax